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SUBSCRIPTION (including the Diary and Text Book) at Home or Abroad.  
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MAY 31, 1919.

# The "Allenburys" Rusks

(MALTED)

## *Selling Points.*

The "Allenburys" Rusks form a suitable dietary for children after 10 months of age. They are often found to provide an excellent means of introducing the child to solid food; their taste is so attractive that children readily nibble the dry rusk, which softens quickly under mastication so that the chewed particles are easily swallowed.

Invalids and adults find the "Allenburys" Rusks appetising and nutritious. They may be taken plain or buttered, with cheese or with fruit.

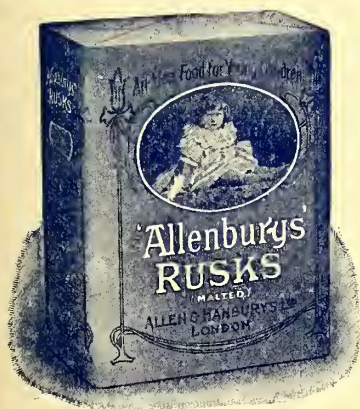
## *Package.*

The "Allenburys" Rusks are packed in hermetically sealed tins handsomely labelled and wrapped. They form an attractive counter display.

## *Prices.*

Two sizes of the "Allenburys" Rusks are now supplied.  
The retail prices are 2/6 and 4/6.

Your customers will appreciate your introduction  
to them of the "ALLENBURYS" RUSKS.



# ALLEN & HANBURY'S LTD. LONDON.



# Umney's Choice Synthetics, &c.

## "ROSETTOL"

A delicate fragrant Rose compound for Perfumes, Toilet Preparations, Rose Water, etc. ... 25/- per oz.

**"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.**

**A PHARMACIST'S OPINION.**—"ROSETTOL" is better than any other artificial otto that I have tried."—GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh.

**PRESS OPINION.**—"When the firm's 'ROSETTOL' was first introduced, we were much impressed by its excellent qualities, and thought it was, in fact, an improvement upon the natural otto; we think so still."—THE PHARMACEUTICAL JOURNAL.

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Artificial Jasmin Oil. The true Natural Odour of the Jasmine ... 10/6 per oz.

**BENZOINETTOL.** For Perfuming Benzoin Creams, Lotions, etc. ... 5/- per oz.

**BERGAMETTOL.** Artificial Bergamot Oil 1/6 per oz.; 20/- per lb.

**CARNATESSE.** The Fragrance of the Clove Pink accurately represented ... 7/6 per oz.

**GERANETTOL.** Artificial Geranium Oil 1/6 per oz.; 20/- per lb.

**LAVANDESSE.** A highly Concentrated Extract of Lavender Flowers prepared by a new process. "It has a fragrance of the lavender field" ... 3/- per oz.

**MUSCOL.** A perfume fixative to replace Musk and Ambergris ... 4/6 per oz.

**NEROLETTOL.** A substitute for Oil of Orange Flowers ... 7/6 per oz.

**PATCHOULETTOL.** A substitute for Patchouli Oil ... 2/6 per oz.

**SACHETTOL.** A delightful perfume, very persistent. Economical in use. An excellent basis for sachet powder or for use in toilet creams ... 7/6 per oz.

**VIOLONOL.** The true fragrance of the Violet. For Perfumes, Toilet Specialities, etc. 10/6 per oz.

Special preparations of the above, miscible with oil, can be supplied for Brilliantines.

## UMNEY'S PERFUMERY PRODUCTS

WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.  
GOLD MEDAL, Brussels International Exhibition, 1910.

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SOUTHWARK, LONDON, S.E. 1.



With the release of Pure Glycerin,  
we can now offer our famous

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We print Chemist's name and address on labels and cartons when 6 dozen are ordered.

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White enamel tubes, ribbon orifice, labels printed in five colours, distinctly pharmaceutical in appearance, and an ornament to any pharmacy.

If you are not familiar with the preparation, write for a sample.

Cartoned

**7/6**

per dozen.

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**7/-**

per dozen.

Carriage Paid on orders for £2.



We can also offer CHERRY (the real old English formula), ARECA, NUT & CARBOLIC TOOTH PASTE, also DENTAL CREAM.

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Manufacturing Chemists, BRIGHTON.



**Revised  
Prices  
May 1919.**

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ORIGINAL *Jersey*  
**Eau-de-Cologne**  
*British and Best*

P.A.T.A.

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27	1 oz. Round ...	2/-	18/-	20	20 oz. Barrel ...	32/6	288/-
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1	2 oz. Sexangle ...	3/6	31/6	8 <sup>w</sup>	8 oz. Wicker ...	15/-	135/-
3	4 oz. Square ...	6/6	58/6	16 <sup>w</sup>	16 oz. Wicker ...	27/6	240/-
5A	8 oz. Barrel ...	12/6	113/-				

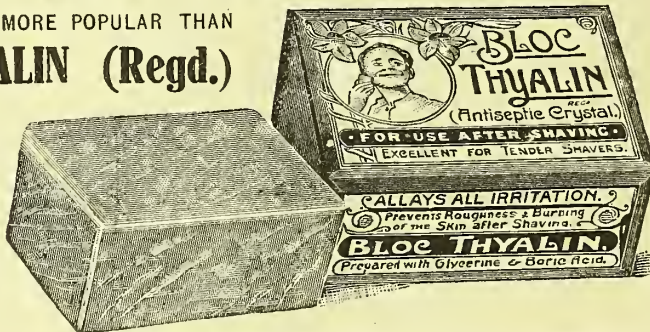
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THERE ARE NONE MORE POPULAR THAN  
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Frequent inquiries  
from all parts of the  
world render it  
advisable to carry a  
stock of this useful  
Toilet Adjunct.



**FOR USE AFTER  
SHAVING.**

**WHOLESALE AND  
SHIPPING ONLY.**

Your Drug or Sundry  
House will supply on  
demand.

**The FRAM MFG. CO.  
LTD.,**  
Manufacturers of all Toilet  
Articles for Shavers,  
**Excelsior Works,**  
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ENG.

## ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED

IS MANUFACTURED BY

**THE PHARMACEUTICAL LANOLINE CO.**

**7 Carnwath Road, Fulham, London, S.W.**

**WHO INVITE INQUIRIES.**





PUT THE  
**Ker-nak**  
 BOY  
 IN YOUR WINDOW  
 NOW!

EXPENSIVE MODEL LENT FREE.

This beautifully coloured figure, standing 24 inches high, will be sent securely packed in crate, carriage paid, to every chemist purchasing **Ker-nak Pills to the value of 50/-**. These will be supplied on the usual Window Show Terms of 5 per cent.

The only stipulation is that, after 2 weeks' show, the Ker-nak Boy must be sent to a new address which will be supplied.

**ORDER FORM.**

NAME .....

Address .....

Date .....

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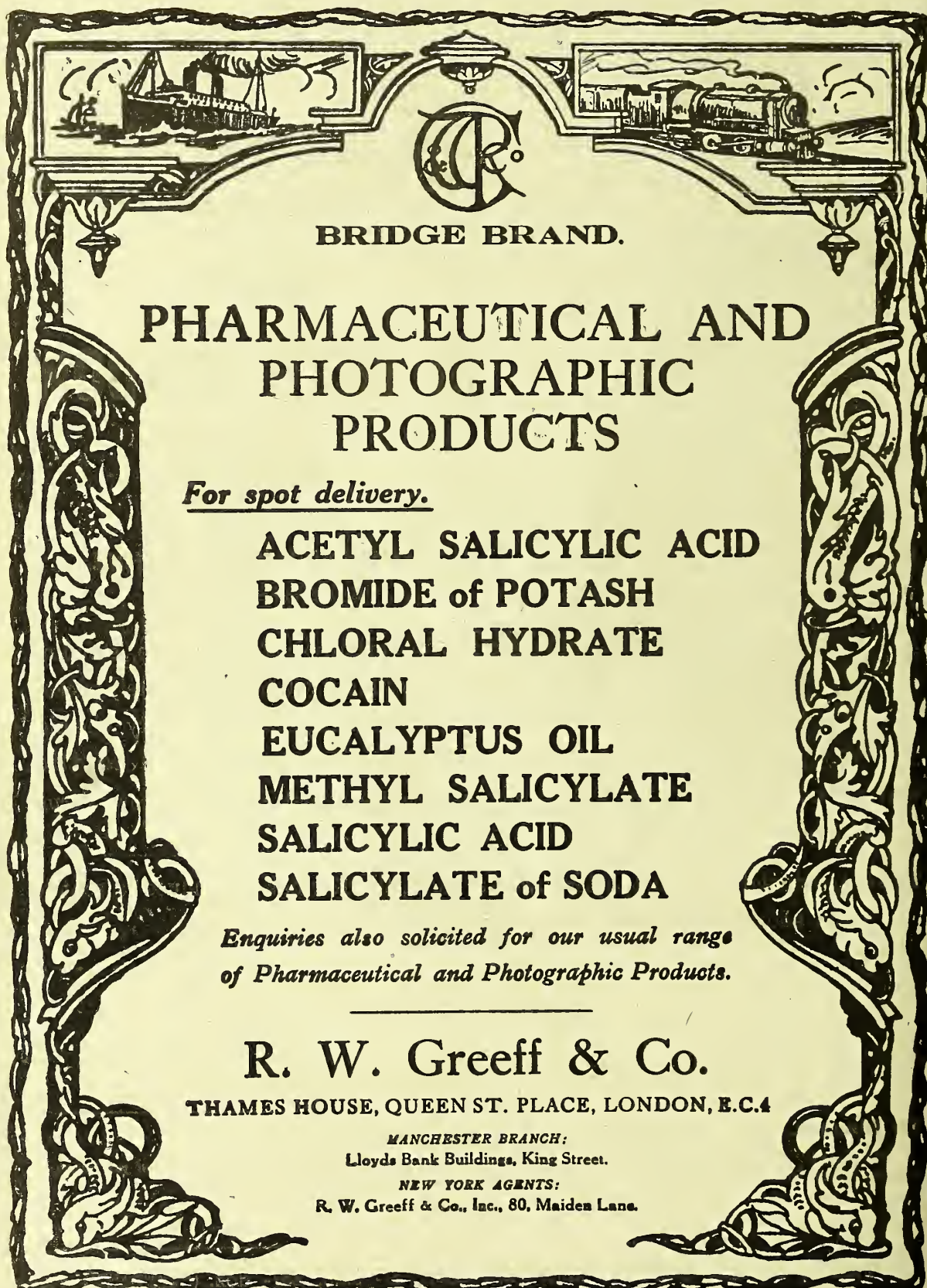
*Please send "Ker-nak Boy." I agree to give 2 weeks' window display, and forward the figure (carriage at your expense, to a new address which will be supplied. I enclose order which includes at least 50/- value of Ker-nak.*

Yours truly,

Signature .....

**PRICES OF KER-NAK:** 1/3 size, 12/6 doz.; 3/- size, 28/- doz. (Minimum Prices Face Value)





The advertisement is framed by a decorative border. At the top, there are two small rectangular illustrations: on the left, a steamship at sea; on the right, a steam locomotive on tracks. In the center, above the text, is a large monogram 'R & Co.' inside a circular frame. The text is arranged in a central column, with the company name at the bottom.

**BRIDGE BRAND.**

**PHARMACEUTICAL AND  
PHOTOGRAPHIC  
PRODUCTS**

*For spot delivery.*

**ACETYL SALICYLIC ACID  
BROMIDE of POTASH  
CHLORAL HYDRATE  
COCAIN  
EUCALYPTUS OIL  
METHYL SALICYLATE  
SALICYLIC ACID  
SALICYLATE of SODA**

*Enquiries also solicited for our usual range  
of Pharmaceutical and Photographic Products.*

**R. W. Greeff & Co.**

**THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.4**

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Lloyds Bank Buildings, King Street.

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R. W. Greeff & Co., Inc., 80, Maiden Lane.



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**Write for List.**

# MANCHESTER



# SAVE 3/- PER GALLON

BY BUYING

## GUARANTEED GENUINE

# NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

## OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

*Kindly write for sample to*

### JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

May 1919.

CHEMISTS, PLEASE NOTE!

## Revision of Prices of Battle's Vermin Killer

FROM JUNE 1, 1919

The Cost of Materials having so enormously increased during the last four years, the Proprietor is reluctantly compelled to revise his prices as under, at the same time securing for the Retailer and the Wholesaler a larger profit on every packet they sell.

The Prices are on the P.A.T.A.

5d. Size @ 3/- per doz. ; 9d. size @ 5/6 per doz. ; 1/3 size @ 9/- per doz.

Minimum Prices. Face Value.

Subject to Liberal Discounts to Wholesale and Shipping Houses.

Carriage Paid in the United Kingdom on £3 and upwards\*

Proprietor—J. S. BATTLE, Ph.C.

Suppliers—

### BATTLE, SON & MALTBY

STONEBOW, LINCOLN.

## RAYOLENE BLACK JAPAN.

The best preparation for Fire Ranges, Cycles, Mail Carts, Gas Stoves, &c. Exactly the same quality as supplied to Coach and Carriage Painters. A splendid selling line, and far superior to methylated spirit preparations.

	9d. Tins.	1/6-Pints.	Pints	
Retail Prices	9d.	1/6	2/9	
Wholesale	6/6	12/6	22/-	per dozen.

## RAYOLENE OIL VARNISH STAINS.

Much easier to apply than quick drying spirit varnishes. Dries hard in about 8 hours, with a brilliant and durable lustre. Made in three popular shades—oak, walnut and mahogany.

	9d. Tins.	1/6-Pints.	Pints	
Retail Prices	9d.	1/6	2/9	
Wholesale	6/6	12/6	22/-	per dozen.

**SPECIAL OFFER.**—One box, containing 8 dozen 9d. tins (or 4 dozen 9d. and 2 dozen 1/6 tins) your selection, sent, carriage paid, box free for 48/- net. 3 boxes less 5% discount.

*Write for Complete Price List.*

### TEXALO MANUFACTURING CO.,

Paint & Varnish Manufacturers,  
South Shore, BLACKPOOL, Lancs.



# NOSTROLINE

TRADE MARK REGD

*No Sinister Taint !*

NO COCAINE OR NARCOTIC.

And because it does what is claimed for it, will enhance your reputation.

*Confidently Recommend*

this meritorious all-British remedy for prevention and cure of

**NASAL CATARRH, HEAD COLDS,  
INFLUENZA, HAY FEVER**

and against all Nasal Infection.

*Buy direct on best terms.*

**135/-** per gross delivered.

*Protected*  
*Retail Price :* **1/3** and **3/-**



The fact that many Chemists themselves use "Nostroline" Nasal Specific argues more than average merit in this popular proprietary.

**HAROLD E. MATTHEWS  
& CO.,**

*Manufacturing Chemists,*  
**CLIFTON, BRISTOL,**  
**England.**





# CARNATION

An always popular "Distol".

♦ ♦ ♦

THE sweet odours of the English countryside are ever in demand. The "Distol" series includes many of these (Carnation, Wallflower, Violet, etc.) providing the busy Pharmacist with profitable and saleable perfumes at a minimum of cost and trouble. An ounce of Carnation "Distol" costs 6/- and makes 80 oz. of choice perfume (half of which may be distilled water without loss of odour strength). Samples of perfumes sent free on request.

THOMAS KERFOOT & CO LTD  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1767.

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# The Power of men acting in masses



has become the only *substantial* power in society to-day. That is the supreme lesson of world war.

And it applies to *you*.

Your personal interests can never materially improve until the craft as a whole is given an "uplift." Such is the aim of Ucal—which is becoming a combination of all that is best in Pharmacy—the men with energy and purpose—the men who are willing to work together for the common good.

## Co-operation in Advertising.

We all know that advertising sells goods—that is why we have to hand out so many "patents."

Practically speaking no individual Ucalite could afford advertising of the highest grade, because the initial expenses are so heavy. But collectively they can command the very best.

This is one of the strongest features of the Ucal Plan—the advertising is of the most modern kind, the only kind which in these days is good enough.

Smart in idea and matter alike—bright in colour, well illustrated and well printed, it is "up to the minute" in every way. Specimens can be sent to those interested.

The Ucal Pharmacist speedily becomes the best known pharmacist in his district—and this increases business in other things besides Ucal Specialities.

There is no limit to the advertising assistance furnished by Ucal—every form of ammunition from tie-on labels and invoice headings, from printed wrapping paper to counter bills, folders, novelties, booklets, window strips, showcards, complete window displays—indeed everything in the way of printed matter.

Write  
NOW  
to

# "Ucal, Cheltenham"



# "FARRISOL" WHITE MEDICINAL OIL B.P.

(Paraffinum Liquidum.)

**Guaranteed to conform to B.P. Tests.**

**Absolutely Odourless and Tasteless.**

**Recommended and adopted by the highest Medical Authorities.**

**Edible and Pharmaceutical Olive Oil.** Star Bright Southern Sperm Oil. Palm Oil. Cocoa Nut Oil. **Cod Liver Oil.** **Castor Oil.** Peach Kernel Oil. **Brilliantine.** Oils (White and half White). Slab Oil. Linseed Oil. Pure Rape Seed Oil (Colza). **"Farrisol" Snow-White Jelly B.P.** **Petroleum Jelly**, finest qualities, Red, White and Yellow. Lanoline (Hydrous and Anhydrous) Adeps Lanol. Resin. Turpentine. Pitch. **Lubricating Oils.** Clock Oil. Insulating Oils. Oil for the Clockwork of Telegraphic Instruments.

# 'SIRRAFINE' TREBLE REFINED WATER-WHITE OIL.

**NO SMELL, NO SMOKE, AND PERFECTLY SAFE**

(Used exactly as Ordinary Paraffin Oil).

**GIVES A PURE SOFT AND BRILLIANT LIGHT.**

**For Duplex, Central Draught and other Lamps.**

**2/- per Gallon.**

**10 Gallons sent Carriage Paid in Drum with Brass Tap.**

The Drum is charged for, but same allowed for when returned.

**Also in Casks, containing about 40 Gallons Carriage Paid and Cask Free.**

A Brass Tap is supplied and Cask tapped for fitting if required.

**OIL REFINER TO H.M. GOVERNMENT.**

Manufacturer of **HIGH-GRADE CANDLES** of every description, **not affected by Heat**, for Home and Tropical Climates. Lowest competitive prices quoted. **TOILET AND HOUSEHOLD SOAPS**, Lighting Tapers, &c.

**CHARLES FARRIS, 71 Bishopsgate, London, E.C.**

Manufacturer and Refiner of OILS of every description.

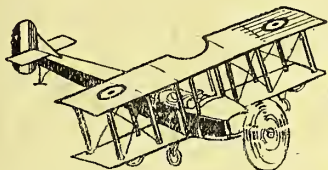
Works: **HELMET COURT, BISHOPSGATE, E.C.**

Warehouses and Stores: **91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.**

Telephone: **LONDON WALL 9397 and 9398.**

Telegrams: **"WAXINESS, LED., LONDON."**





NUMBER 398.  
May 31, 1919.

# Maw's Page

**OUR** colour  
creations in  
Bathing Caps  
for the  
coming season!

## BATHING FASHIONS FOR THIS SUMMER.

**Frivolity and Colour To  
Be the Keynote.**

### STRIKING DESIGNS.

French and English dressmaking firms  
are in consultation now as to the coming  
fashions for bathing.

"Frivolity and colour will be our key-  
note," a great designer told *The Daily  
Mirror*.

"Cloaks will be of plain colours."

#### CIRCULAR PATTERNS

"Diamond," check	...	...	9/- dozen
"No. 11 "	...	...	13/6 "
"Sylph " "	(mercerised)	...	15 - "
"Flora," flowered sateen	...	...	15/- "
"Fiona," new style, tam shape, check	...	...	16/6 "

#### FANCY STYLES IN PROOFED MATERIAL

"Cygnets," check	...	...	15/- dozen
"Nymph," mercerised check	...	...	24/- "
"La France," coloured proofings	...	...	27/- "
"Riviera " "	...	...	30/- "

#### OILED SILK CAPS

"Mermaid," circular	...	...	24/- dozen
"San Toy," fancy	...	...	27/- "
"Elf " "	...	...	36/- "
"Iona," new tam shape	...	...	30/- "
"Mayfair " "	...	...	36/- "

#### OILED COTTON, FLAT CIRCULAR

"Columbine," trimmed, coloured oiled silk, very effective	...	...	20/- dozen
--	-----	-----	------------

#### STOUT INDIARUBBER, STOCKINETTE BAND

"Red Helmet," size 3 to 6	...	...	30/- dozen
"Sea Queen," assorted colours, helmet, size 3 to 6	...	...	24/- "
"Polo," Men's Diving Cap	...	...	36/- "

#### FANCY INDIARUBBER ASSORTED COLOURS

No. 1. Circular, plain edge	...	...	18/- dozen
No. 2. Circular, frilled edge	...	...	30/- "
No. 3. Circular, frilled edge, with rosette (as illustrated)	...	...	34/- "

**S. MAW, SON & SONS, LTD.**

7 to 12, ALDERSGATE ST.  
LONDON, E.C.1





# CHEMISTS' SHOPFITTINGS.

*Attractive and Up-to-date at absolutely lowest prices.*

You can pay more, but you can't get better value.  
Send me your requirements. I shall be pleased to  
send to any Chemist estimate and rough sketches  
free. Thirty years fitting Pharmacies.

Silent Salesman Showcases, Plate-Glass Showcases of every description,  
Dispensing Screens, Drug-fittings, Wall Cases, Perfume Cases,  
Desks, Plate-Glass Front Serving Counters, Drug Drawers, Counter  
Drawers, Shoprounds, &c.

*Testimonials received from my customers prove that you CAN'T DO BETTER*

SUSSEX, 16/5/19.

"The Silent Salesman arrived safely and I am de-  
lighted with it. Please put the other in hand at  
once as quoted."

Yours faithfully, G. A.

**GEORGE COOK,** *The CHEMISTS'*  
*Working Shopfitter,*  
29 Macclesfield St., City Road, LONDON, E.C. 1.

## LEECHES

We have a Small Stock ready for  
Immediate Supply.

**W. MARTINDALE,** *MANUFACTURING CHEMIST,*  
10 NEW CAVENDISH STREET, W. 1.

## REAL SILVER LEAF

As supplied for many years to the  
leading Houses for Pills, Cachous, &c.

*We also supply*

**GOLD LEAF AND GOLD POWDERS**

WHOLESALE ONLY.

**E. WINTER & CO. LTD.**

Head Office : 64 Cheapside, London, E.C. 2.

TELEPHONE : Central 985.

## SAPONINE

(SOLUBLE),

MANUFACTURED BY

**C. W. FIELD, LTD.,**  
Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.



FOR LARGE BUYERS.

## Dental Creams

Also Brilliantines, Vanishing Creams, Bay Rhums, Toilet Paraffins, Lime Creams, Pomade Hongroise, Tooth Powders, Dry Shampoo (Liquid), Shaving Sticks, Shampoo Powders, and all Toilet Goods.

**LOW PRICES for  
HIGH QUALITY.**

**STOKES & CO., Ltd.**

Manufacturing Chemists and Perfumers.

Desk 11, 31-35 Lower Castle St., BRISTOL

(7)

## LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants,  
— Manufacturing Chemists —

**HULL.**

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A. Protected Retail Price.	Dozen Net
* LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " " "	1/6	13/-
* " " " " " bottles in " " " " " cartons	2/-	16/-

**\* Losall's Salt sells so well, surely it  
must pay Pharmacists to stock such  
a big profit-bearing protected line.**

**LOSALL'S COMPOUND SULPHUR SOAP.**

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box at 8d. each tablet.	2/-	18/-

# Parnall

And Sons.

Proprietors W & J Avery Ltd

Established over 100 years.

## Shop Front

— Builders —

*Send a P.C. and an Expert  
will call and help you !*



*Examples of our work can be seen in  
every large town in Great Britain.*

## Show Case

— Makers —

128 Branches now Open

Summer  
Row

**BIRMINGHAM**

Works  
Bristol.



**“ John Bull ”**



# MALT EXTRACT

IS THE BEST.  
RENOWNED FOR KEEPING QUALITIES.

*Wholesale & Export Only.*

**PAINE & CO., LTD., ST. NEOTS, HUNTS.**

## PURE CHEMICALS for PHOTOGRAPHY

AMIDOL . . .	1-lb. tin 21/-, 7 @ 20/6
HYDROKINONE . lb. pcls.	16/6 „ 16/4
PARAMIDOPHENOL	1-lb. tin 17/6 „ 17/3
PYROGALLIC . Cryst. „	15/- „ 14/9
Resub. „	18/- „ 17/9

Acid Citric, Alum, Ammon. Bromide,  
Ammon. Sulphocyanide, Ferr. Ammon.  
Cit., Pot. Bromide, Pot. Ferricyanide,  
Pot. Citrate, Pot. Metabisulph., Pot.  
Oxalate, Soda Bromide, Soda Carb.,  
Soda Hypo., Soda Sulphide, Soda  
Sulphite, etc. etc.

*At low prices. Packed in bulk or bottles*

**CHAS. ZIMMERMANN & CO.**  
(Photographic) LTD.

**13 BARTLETT'S BUILDINGS, LONDON, E.C. 4**

*Monthly List mailed on request.*

## The GREENWICH LEMONADE CO.

*regret delay in executing  
orders owing to the huge  
demand for*

## G.O. LEMONADE

*We are taking larger pre-  
mises to cope with the rush,  
and hope to resume prompt  
delivery at an early date.*

**The GREENWICH LEMONADE Co.**

(J. MILNER, M.P.S., Proprietor) |

**209 Trafalgar Road, GREENWICH, S.E. 10.**



# Catching your eye !



## A 1/6 Bathing Cap

The usual circular pattern in neat Check Twill with deep frill and adjustable headband.

Per dozen - - - - - 12/6

## A 6d. Tooth Brush

No. 134. Bone handles, assorted patterns, 4 rows.

Per dozen - - 4/3 ; per gross - - 49/6

## 7½d. Tooth Brushes

No. 135. Bone handles, assorted patterns, 4 rows.

Per dozen - - 4/6 ; per gross - - 52/-

No. 136. Celluloid handles, assorted colours and patterns, 4 rows.

Per dozen - - 4/6 ; per gross - - 52/-

## A 10½d. Tooth Brush

No. 137. Celluloid handles, assorted colours and patterns, 4 rows.

Per dozen - - 6/6 ; per gross - - 75/-

## A good English Tooth Brush

No. 1x. Assorted patterns, 4 rows, wax back, made in England.

Per dozen - - 8/9 ; per gross - - 102/-

## A 9d. Nail Brush

A good assortment of well-finished Brushes, polished and unpolished backs, convenient shapes and sizes. 3 dozen in a box.

Per dozen - - 5/6 ; per gross - - 63/-

The purpose of the retail prices on this page, is to

**CATCH YOUR EYE.—**

You'll probably fix your retail prices a bit higher when you **SEE THE GOODS !**

*AYRTON, SAUNDERS & Co. Ltd.*  
**LIVERPOOL**



# TWO LINES



*Acknowledged as the two best DENTAL CREAMS*

**Order through your Wholesaler.**

SOLE MANUFACTURERS AND PROPRIETORS—

# THE JACKSON CO



# THAT PAY



172 ST. JOHN ST., **LONDON, E.C. 1**



Telegrams : " Refreshing, Cent, London."

Telephone : Central 4461, 4462.

**R. J. REUTER,** *Established 1892.*

**69 CARTER LANE,**

**LONDON, E.C. 4.**

MANUFACTURER OF

**POWDER PUFFS.**

All varieties and sizes, suitable for High-class Retail or Export Trade.

**BATH BOWL PUFFS and BAG PUFFS a speciality.**

Highest-class finish, artistic and tasteful colours and designs.

INQUIRIES INVITED FOR ALL KINDS OF

**MANICURE CASES and**

**MANICURE REQUISITES.**

All Cases of highest-class workmanship, fitted with instruments of best finish only, and Scissors guaranteed hand-forged best Sheffield make.

**STEEL NAIL FILES. FLEXIBLE AND RIGID.**

**SCISSORS. NAIL & CUTICLE. Best Sheffield Make.**

**NAIL POLISHERS & TRIMMERS in LARGE ASSORTMENTS.**

**EMERY BOARDS, REAL ORANGEWOOD STICKS, &c. &c.**

**IT WILL PAY YOU TO VISIT OUR SHOWROOM.**



# Seasonable Goods



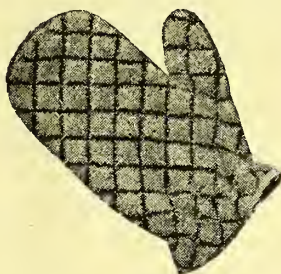
5078/1  
Bath Strap (Loofah and Turco),  
9/- per doz.



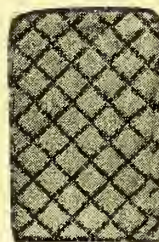
5958B  
Loofah Washing Pad,  
3/6 per doz.



5955/3  
Sponge Glove  
(Loofah and Turco),  
9/9 per doz. pairs.



5948  
Sponge Glove  
(Turco),  
27/6 per doz. pairs.



5956/5  
Sponge Glove  
(Turco),  
10/- per doz. pairs.

**CUXSON, GERRARD & CO., LTD.,**  
OLDBURY, NEAR BIRMINGHAM

*Export and Colonial Inquiries specially invited.*





# HALIFLOR

*Distillers of Natural Floral Extracts, Ground Essences, Soap Perfumes and Essential Oils.*

**PRICE LIST FOR**

## HALIFLOR GROUND ESSENCES

**For the preparation of Perfumes, and for perfuming Toilet Preparations.**

A lasting natural Quadruple Perfume of highest concentration is obtained by mixing **1 part of Haliflor Ground Essence to 9 parts of pure Alcohol 80°** (alcohol 80° is made by mixing 7 parts of distilled water to 40 parts of alcohol 95°).



	2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms ..	5/3	10/3	19/9	39/-
Eau de Cologne ..	4/6	8/6	16/3	32/-
Ess Bouquet ..	4/6	8/6	16/3	32/-
Lilac ..	5/-	9/3	17/9	35/-
Heliotrope ..	4/6	8/6	16/3	32/-
Jasmin ..	6/3	11/9	22/9	45/-
Jockey Club ..	5/-	9/3	17/9	35/-
Iris ..	5/-	9/6	18/3	36/-
Lavender ..	5/3	10/3	19/9	39/-
Lily of the Valley (Green) ..	5/-	9/3	17/9	35/-
Neroli ..	6/9	13/-	25/3	50/-
Opoponax ..	5/-	9/3	17/9	35/-

	2 oz.	4 oz.	8 oz.	16 oz.
Rose ..	6/3	11/9	22/9	45/-
Trefle ..	5/6	10/6	20/3	40/-
Violet Parma ..	5/-	9/6	18/3	36/-
„ Haliflor ..	5/6	10/6	20/3	40/-
White Rose ..	6/3	11/9	22/9	45/-
Sweet Pea ..	5/3	10/3	19/9	39/-
Wallflower ..	5/-	9/3	17/9	35/-
Carnation ..	5/3	10/3	19/9	39/-
*Eau de Quinine ..	4/-	7/3	13/9	27/-
*Bay Rum ..	5/6	10/6	20/3	40/-
*Eau de Toilet ..	8/-	15/5	30/3	60/-

\* We are prepared to advise and send Formula how to prepare these.

### HALIFLOR CONCENTRATED FLORAL ESSENCES, WATER SOLUBLE,

For the instantaneous production of Toilet Waters. Aqueous Perfumes, Shampoos, Hair Washes, etc., are ideal.

	2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms ..	6/3	11/9	22/9	45/-
Eau de Cologne ..	4/9	9/3	17/9	35/-
Ess Bouquet ..	4/9	9/3	17/9	35/-
Lilac ..	5/3	10/3	19/9	39/-
Heliotrope ..	4/9	9/3	17/9	35/-
Jasmin ..	6/9	13/-	25/3	50/-
Jockey Club ..	5/3	10/3	19/9	39/-
Iris ..	5/3	10/3	19/9	39/-
Lavender ..	6/-	11/3	21/9	43/-
Lily of the Valley ..	5/3	10/3	19/9	39/-

	2 oz.	4 oz.	8 oz.	16 oz.
Sweet Pea ..	6/-	11/3	21/9	43/-
Musk ..	6/9	13/-	25/3	50/-
Opoponax ..	5/6	10/6	20/3	40/-
Trefle ..	6/3	11/9	22/9	45/-
Violet Parma ..	5/6	10/6	20/3	40/-
„ Haliflor ..	6/3	11/9	22/9	45/-
White Rose ..	6/9	13/-	25/3	50/-
Carnation ..	6/3	11/9	22/9	45/-
Wallflower ..	5/3	10/3	19/9	39/-

### STANDARDISED HALIFLOR PERFUME OILS FOR BRILLIANTINE. 1 oz. to a Gallon.

	2 oz.	4 oz.	8 oz.	16 oz.
Lilac ..	3/3	6/3	11/9	23/-
Heliotrope ..	3/3	6/3	11/9	23/-
Jasmin ..	5/6	10/6	20/3	40/-
Jockey Club ..	5/6	10/6	20/3	40/-
Sweet Pea ..	6/3	11/9	22/9	45/-

	2 oz.	4 oz.	8 oz.	16 oz.
Opoponax ..	6/9	13/-	25/3	50/-
Lily of the Valley ..	5/3	10/-	19/3	38/-
White Rose ..	4/9	9/3	17/9	35/-
Wallflower ..	5/3	10/-	19/3	38/-

**Alcohol Free.**

**ONE-DROP NATURAL ESSENCE.**

**Alcohol Free.**

**To be used with Class-Stemmed One-Drop Bottles.**

	2 oz.	4 oz.	8 oz.	16 oz.
Acacia ..	6/9	12/9	24/9	49/-
Lilac ..	6/3	12/-	23/3	46/-
Gardenia ..	6/9	12/9	24/9	49/-
Carnation ..	6/6	12/6	24/3	48/-
Jasmin ..	6/9	12/9	24/9	49/-
Narcissus ..	6/9	12/9	24/9	49/-
Orchidee ..	6/9	13/-	25/3	50/-
Hyacinth ..	6/6	12/6	24/3	48/-

	2 oz.	4 oz.	8 oz.	16 oz.
Violet ..	6/6	12/6	24/3	48/-
Rose de France ..	6/9	13/-	25/3	50/-
Lily of the Valley ..	6/6	12/3	23/9	47/-
Orange Blossom ..	6/9	12/9	24/9	49/-
Mignonette ..	6/9	13/-	25/3	50/-
Ylang Ylang ..	6/9	12/9	24/9	49/-
Heliotrope ..	6/6	12/-	23/3	46/-
Sweet Pea ..	6/9	13/-	25/3	50/-

*Haliflor Floral Preparations are natural, delicate, true to odour, strong, lasting and cheap.*

➡ **ALL PACKAGES FREE.**

**ALL CARRIAGE PAID.** ⬅

Terms: Cash with order for amounts up to £1, or may be obtained through all Wholesale Houses.

*Samples on application from*

**HERTZ & CO.,** All British Firm **9 Mincing Lane, London, E.C. 3.**

Established  
1878.



## SPECIAL WINDOW-SHOW OFFER

YOU purchase an assorted parcel of Ven-Yusa Cream Soap, and Shampoo Powders value	£2 10 0
WE allow you for Showing Cards ... ..	0 5 9
Net Credit Terms	£2 4 3
IF CASH ENCLOSED deduct 2½ per cent. ...	0 1 3
Net amount to send	<u>£2 3 0</u>

**YOUR PROFIT on the Investment will be 50%**

Larger Orders are accepted on pro-rata terms, 2½ % extra allowed  
on orders of 12 times above quantities, if cash with order.

**MINIMUM PRICES FACE VALUE.**

## ORDER FORM.

**To Messrs. C. E. FULFORD, LTD., Carlton Hill, LEEDS.**

Dear Sirs,

Date .....

Please supply on Window-Show Terms—

			£	s.	d.
.....Gross.....Doz. 1/- size Ven-Yusa Cream	...	@ 9/3 doz.			
.....Gross.....Doz. 6d. ,, ,, Soap	...	@ 4/6 ,,			
.....Gross.....Doz. 1/6 ,, ,, Shampoo Powders	13/6 ,,				
		(7 3d. Shampoos in packet)			
.....Gross.....Doz. 3d. packets ,, Shampoo Powders, 22/- gross					
		(6 doz. Cartons only)			

Remittance enclosed £ : : £

Name and Address .....

**MINIMUM PRICES FACE VALUE.**

**Note.**—If Cash does not accompany order, references should be  
given for New A/cs. **Credit Terms are Strictly Net, 30 days.**



## DIADEM Face Powder

possessed of the delightful fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. Packed in large artistic boxes, in the distinctive Robartes' style and colouring. A sure seller.



## DIADEM WAX *For the Complexion*

Completely supersedes the customary greasy Toilet Creams. Is most pleasant in use and commands ready sales. Attractively produced in elegant large jars.

## DIADEM Crème Rouge

Gives an undetectable and natural colour to the cheeks. Far more convenient in use than the existing dry rouges. Easily removable whenever desired.

## DIADEM Vanishing Cream

A cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style.

## DIADEM Talcum Powder

The ideal powder for Nursery and Toilet use. Choicely perfumed, and may be used with impunity on the most sensitive skin. In handsome perforated tins.

## DECOLTENE *The liquid hair remover*

The intelligent depilatory. Simple, safe, effective, and harmless. Can be used while performing the toilet. Daintily packed.



An attractive line that enjoys good sales. A greaseless cream that takes all odour out of perspiration. Packed in attractive jars.

### TRADE TERMS.

	P.A.T.A.	Trade per doz.
Diadem Face Powder ...	2/6	20/-
" Complexion Wax ...	2/6	20/-
" Crème Rouge ...	2/6	20/-
" Vanishing Cream ...	3/9	30/-
" Talcum Powder ...	1/3	10/-
Decoltene Depilatory ...	3/9	30/-
Dinkie Deodorant ...	2/6	20/-

### NOTICE.

Artistic Showcards and Counter Matter free on request. Robartes' Preparations are obtainable from all leading wholesale houses. Largely advertised in all the leading dailies, weeklies and monthlies. Further particulars and descriptive booklet forwarded on request.

**ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C. 1.**

# Enolin

## TOOTH PASTE

"STRONG" OR "MILD"

**The Super Paste**

If your wholesaler has not sent you sufficient advertising matter for window display, drop us a postcard and we will send you a good assortment, post free.

SOLE MANUFACTURERS & PROPRIETORS:

**A. & E. CARRERAS, Perfumers,**

Offices : 207 King St., Hammersmith, London, W.6.

Telephone :

HAMMERSMITH 600

Telegrams :

"ESOLINDOL, HAMMER, LONDON."

1/-



No Dear,  
Not another NEW HAT  
I used.

**WHITAKER & CO.,**

Colour Works, KENDAL.

LONDON DEPOT: 60-62 Clerkenwell Road, E.C.1

## MAKE YOUR OLD HAT A NEW ONE.

In bottles, 1/- each, in separate neat cartons, with suitable brush. These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS.  
NO POLISH.

On the P.A.T.A.

Write for Terms, Patterns, also  
Leaflet of Testimonials.

"**Luton**" **HAT DYE**

GLOSSY SERIES supplied if desired.  
Special Non-inflammable Series for Export.

Another Home Article of Great Utility.

**"LUTON"**

Universal

Fabric

**Dyes**

**FOR HOME DYEING.**

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

A standard range of 12 Colours; other shades supplied.  
IN PACKETS, 2d., 3d. and 6d. each, and in Bulk.

Pattern Book. Write for Terms and Patterns.

EXHIBITED—

OLDHAM, 1882;  
CORK (Certificate of Merit), 1883;  
LONDON (Health Exhibition), 1884.

37 Years' Reputation & Practical Experience.

**WHITAKER'S  
HOUSEHOLD  
Coloured Varnishes**  
(VARNISH STAINS)

For Floors, Furniture, and Wood-  
work Generally. Patterns supplied.

*Black Lacquer for Grates, etc.*

**"JUGGLER" BLACK FOR LEATHER**

**WHITAKER & CO.** Colour Works, KENDAL, Eng.  
LONDON DEPOT - 60-62 Clerkenwell Road, E.C. 1.

Telegraphic Address: "Dullette Kendal."  
Telephone: No. 214 Kendal.

ESTABLISHED 1878.



# FEATHEREDGE Rubber Sponges

**LARGE STOCKS ARRIVING**

THOROUGHLY  
SANITARY  
AND  
DO NOT  
HARDEN

□-

Very  
**GOOD  
PROFITS**

for the  
Retailer

-□-

OBTAINABLE  
OF ALL  
DRUGGISTS'  
SUNDRIES  
HOUSES



**Markt & Co., London,**  
—LTD.—

**American Merchants,**  
SOLE IMPORTERS,  
**98-100 CLERKENWELL RD.,**  
LONDON, E.C.



**Let  
Movol  
Magic  
Help  
Your  
Sales**

Every housewife needs this marvellous Stain Remover; a very large proportion of the Nation's housewives are induced by the Movol advertising to ASK for Movol; and Movol's absolute certainty of effect ensures that your Movol customers are permanent customers. Write to-day for terms and special show-cards, etc. Retail prices 6d. and 1s.



**STAIN REMOVER**

Removes Ironmould, Rust, Fruit and Ink Stains from Clothing, Marble, &c.

**Wm. EDGE & SONS, Ltd., Bolton,**

And at 25 Front Street East, Toronto:  
and Valentine Street, New Bedford, Mass., U.S.A. & ☐



**DO YOU STOCK  
the Anzora Pair?**

Besides selling quickly and easily, ANZORA gives you a good profit for your trouble. The public realise that they

**Master the Hair**

*effectually and well.*

TRADE	11/6 per dozen	retailed at 18/-
TERMS	19/6	30/-
	2 1/2% discount on orders of 3 doz.	
	5% " " 6 doz.	
	for monthly settlement of account.	

Obtainable from  
all Wholesalers.

Showcards  
on request.

Anzora Perfumery Co., Willesden Lane, London, N.W. 6.





# EVAN WILLIAM'S ORIGINAL Henna Shampoo

Your Customers  
will insist on the  
Evan Williams'

## HENNA SHAMPOO

having been taught  
by experience. Are  
you ready to meet  
their demands?

Stock moves freely  
at a handsome profit.

Full particulars are in-  
cluded in *The SHAMPOO  
SALESMAN*, which is  
sent free on request.

The EVAN WILLIAMS CO., LTD.,  
18 & 18a, Old St., Foleys St., London, W.1.



The Finest Quality  
Aerated Waters are  
made only with  
the Finest Quality  
**ESSENCES**

# Boake Roberts

Soluble Essences are  
of the finest quality  
and being extremely  
concentrated are  
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. L<sup>td</sup>  
Stratford, London.





MANUFACTURERS  
OF

## Collapsible Metallic Tubes

For Artists' Colours, Tooth Pastes, Lanoline, &c.

## SPRINKLERS

FOR  
Perfume Bottles and Hair Washes.

## METAL CAPS

FOR  
Glass Jars and Toilet Preparations.



24 CITY ROAD, FINSBURY SQUARE, LONDON, E.C. 1

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

IMMEDIATE DELIVERY

## GATES' BOTTLE CAPPING SKINS



### SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and **READY FOR USE.** The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. **ABSOLUTELY AS OPAQUE** as Split skins and equal in appearance.

"Mine beat all others."

*Sole Pioneer and Only English Manufacturer :*

### LESLIE GATES

HAILSHAM, SUSSEX.

Another New Specialty.—Try my **TRANSPARENT SHEEPBAUDRUCHE CAPPING SKINS.**

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.



ON THE UP GRADE because they are so simple to apply, so neat, and so commercially good.

## SEMREH

SELF-FIXING BOTTLE CAPS

are daily rising in general estimation.

Details from  
the VISCOSE DEVELOPMENT CO., Ltd., Bromley, KENT.  
Prompt dispatch can at present be given.

## "Strodonia"

VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1 dozen	7½d.	selling for	11 3
"	1/-	"	9 0

For 10/- cash with order, carriage paid. **20 3**

7½d. and 1/- — — — 5/6 and 9/- per dozen.

From London Wholesalers.

Direct Orders value **£5** subject to **10%** discount and 1 doz. 1/- size bonus for window display, showing **38%** on Turnover.

**STRODE COSH & PENFOLD, LOWER UNION ST., BRISTOL.**

Manufacturing Chemists.



# THREE GOOD SELLERS THAT PAY WELL

## FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT  
PERFUME AND  
REFRESHER IN  
SOLID FORM

Retails (P.A.T.A.)  
Minimum - 3/-  
giving at least 10d. Profit  
on each sale.  
26/- per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

## CARNATE (Regd).

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum 1/6; 12/- per doz.

## ANALAX

(Reg. Pat. No. 310716).



The Ideal Fruity Laxative in Pastille Form.  
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/3  
21/- per doz., stamped.

## R. DEMUTH'S LABORATORIES, 68 Salusbury Road and Montrose Avenue, LONDON, N.W. 6

Telegraphic Address: "Boulbene Loodon."

Telephone: 525 Willesden.

## "Less than a drop is sufficient"

Zenobia Condensed Perfumes are so highly concentrated that less than a drop is sufficient to give a lasting yet delicate fragrance.

But how can one apply "less than a drop?" By momentarily inverting the bottle and then lightly touching the article to be perfumed with the moistened stopper. The ordinary stopper found with Zenobia Condensed Perfumes is much more economical than the rod stopper, which applies more perfume than necessary.



## ZENOBIA

CONDENSED PERFUMES

This explanation, given at the time of sale, will assist in establishing Zenobia Condensed Perfumes as favourites with the public. Besides being so economical, they have the true flower fragrance always associated with the name of Zenobia—a fragrance that is unequalled for purity and charm.

**ZENOBIA, Ltd.** Wholesale, Manufacturing and Export Perfumers.  
LOUGHBOROUGH, ENGLAND.

The Retail Prices  
are 3/-, 6/- and  
12/6 per bottle.

Trade Prices are  
27/-, 54/- and  
108/- per dozen,  
less usual discount

## SALES BEAT ALL RECORDS.

## INDIAN PERFUME BRICK

KEEPS AWAY MOTH.  
LASTING & FRAGRANT.

## PERFUME BRICK

FOR LINEN CUPBOARD AND WARDROBE.

Retail Price, 6d.

Of the Makers:

**ALBERT WILLIS & ARTHUR, Ltd.**  
6 Mortimer St., London, W.  
AND ALL WHOLESALE.



# CROSFIELDS' CHEMICALLY PURE GLYCERINE. PYRAMID BRAND.



The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopoeia.

IN 14#, 28# & 56# TINS. (WOODEN CASES)  
1, 2, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD Chemical Manufs. WARRINGTON.

## India Rubber Corks & Tubing

*For the Chemical Trade.*

SUPPLIED IN

**ALL SIZES AND QUALITIES  
GREY or RED.**

*Your inquiries solicited, upon receipt of which samples and prices will be submitted.*

**GARDEN CITY RUBBER CO.  
LETCWORTH, Herts.**

Telephone :  
Letchworth 54.

Telegrams :  
"Rubber Letchworth."

**ORIGINALITY!** IS THE KEYNOTE OF  
STYLES OF **SHOWCARDS** EXECUTED BY  
**F. MERTEN**, THE CHEMIST'S  
SHOWCARD EXPERT.

*A trial order will convince you THAT I AM THE RIGHT MAN  
IF YOU WANT SATISFACTION.*

112 WARHAM ROAD, HARRINGAY, LONDON, N. 4.

## PAPER

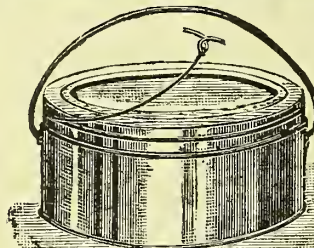
A few reams Strong Brown Tissue,  
18×28 @ 12/6. 5 reams carr. paid.  
Brown from 45/- per ream. Swedish  
Kraft 80/- cwt. Pure Greaseproof,  
20 × 30, 24 lbs. @ 40/- per ream.

**D. W. BULL, 4 CHURCHILL ROAD, HOMERTON, E. 9.**

## The Northern Tin Canister Works,

6 Mersey Street,  
**LIVERPOOL.**

Manufacturers  
for the  
Chemical Trade.

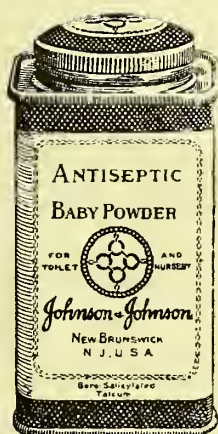


*Patent Air Tight Slip-lid Tin  
for Export.*

**TIGHT SEAMING &  
VARNISH BOTTLES  
A SPECIALITY.**

*Prompt Deliveries Assured.*





**Look for the  
Name and  
Trade Mark.**

## ANTISEPTIC BABY POWDER

MANUFACTURED BY

*Johnson & Johnson.*

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

### **WARNING.**

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have

handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

**JOHN TIMPSON & CO., Ltd.,**  
104 Golden Lane,  
LONDON, E.C.

# BRITISH MADE TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, food-stuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

**Venesta Ltd.**  
1, Great Tower St. E.C.  
London  
England

An excellent  
Window Display

# SUTTLEY and SILVERLOCK'S

Will make many  
— Customers —

## SEASON SPECIALITIES

1000 ENVELOPES,  
with Name and Address,  
A SHOWCARD (15 × 7),  
2 WINDOW CARDS,  
and  
FORMULA,  
for

# 37/6

Striking Designs.



Printed  
in Black  
and  
Emerald  
Green.

ORDER NOW.



Printed  
in Black  
and  
Orange.

SAMPLES BY  
RETURN OF  
— POST. —

BLACKFRIARS ROAD, LONDON, S.E.1.

FACE CREAM. TOOTH POWDER. NAIL POLISH  
" POWDER. " PASTE. HAIR CREAM  
BRILLIANTINE, Solid and Liquid. PERFUMES  
VIOLET POWDER. TALCUM. TOILET OATMEAL  
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

*Your own formula prepared, or we can supply ingredients if desired.  
Send for samples and quotations.*

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3

PHONE—AVENUE 1945.

**'Ongard'** Guarded Coil  
**Safety Pins** RUST PROOF.

For Surgical & Nursery Purposes.

SOLE MANUFACTURERS  
**GEORGE GOODMAN LTD.,**  
BIRMINGHAM.

Stocked by **JAMES L. HATRICK & CO., LTD.,**  
70 St. John St., Clerkenwell Rd., LONDON, E.C.1.

**Hindes** HAIR  
TINT

For GREY OR FADED HAIR.

Regd. Title - "SEEGEROL."

HINDES, Ltd., 1 Tabernacle St. City, London, E.C. 2  
Patentees & Manufacturers of the World-famous  
Hindes' Wavers.



## Revision of Prices

### "VALET" AutoStrop Safety Razor

The following Revisions in the "VALET" AutoStrop Price List are announced to take effect from 1st June, 1919:—

#### No. 8 SET.

The retail price of the No. 8 (Travelling Set) will be **42s. 0d.** instead of **40s. 0d.**

*Quantity discounts to the Trade as heretofore.*

#### "VALET" STROPS.

The retail price will be **2s. 6d.** instead of **2s. 0d.**, subject to the following discounts to the Trade:—

On 500 lots	...	40% and $2\frac{1}{2}\%$
" 72 "	...	35% " $2\frac{1}{2}\%$
" less than 72	...	30% " 5%

Sets Nos. 9, 11, 15 and 7 will be discontinued; in other respects the list remains the same.

#### NOTE.

A new (No. 16) folding set in Wallet form, made in the best hide, with detachable handle to razor, has recently been placed on the market, retailing at the same price as the No. 1 and No. 50 Sets, viz., One Guinea, and subject to the same Trade discounts.

## Revision of Prices



The following Revisions in the "7 o'clock" Price List are announced to take effect from 1st June, 1919:—

#### BLADES.

"7 o'clock" Blades in packets of 12 (S.1) will retail at **4s. 6d.** per packet. "7 o'clock" Blades in packets of 6 (S.2) will retail at **2s. 6d.** per packet, subject to the following discounts to the Trade:—

On 500 Packets	...	40% and $2\frac{1}{2}\%$
" 72 "	...	35% " $2\frac{1}{2}\%$
" less than 72 Packets	...	30% " 5%

In other respects the list remains the same.

#### No. 22 (WALLET) SET.

A new set known as above is announced. It meets the need for a very durable and compact Safety Razor outfit. The blade is protected by a special device, and a strop of greater length than in the Standard Set is included. The retail price is the same as that of the Standard Set, subject to the same discounts to the Trade.

## P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The following prices will come in force as from the date of this issue:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
6d. Allenburys' Milk Food			
Chocolate ...		*6d. tab.	*9/7 2 doz. box.
1/- " " "		*1/- tab.	*1/7 1 doz. box.

\*As from June 1, 1919.

6d. Bond's (John) Crystal Palace Marking Ink ...	5d.	3/9 doz.
1/- " " "	10d.	6/9
7d. Gibbs' Olivene Soap ...	7d. tab.	4/6 doz. tabs.
Less 5% discount on 30/- assorted orders.		
1/9 Hendrie's "The Flag" Eau de Cologne ...	1/9	14/- doz.
3/- " " "	3/-	24/- "
5/6 " " "	5/6	44/- "

## AMERICAN ESSENTIAL OILS

"MOHAWK" BRAND

### OIL PEPPERMINT (Natural)

OIL CEDARWOOD    OIL HEMLOCK  
OIL CEDARLEAF    OIL BIRCH  
OIL WINTERGREEN LEAF

### CHLOROPHYLL, M., M. & R.

(OIL SOLUBLE).

Packed for Export shipment in 5, 10, 25 and 50-lb. cans, packages inclusive.

**TERMS—F.A.S. Vessel,**

Cash against documents in New York.

**MAGNUS, MABEE & REYNARD, Inc.**

*Essential Oils, Chemicals and Drugs,*

**NEW YORK - - U.S.A.**

*Cables—"MAGLAUR."*

## ATTENTION, PLEASE!

WRITE FOR PARTICULARS OF OTHER PREPARATIONS



NORTHAM WARREN CO., MONTREAL, AND NEW YORK.

### "CUTEX" Nail Preparations

are about to be largely advertised in all the best weekly papers.

### "CUTEX" CUTICLE REMOVER

is an absolutely unique article: it makes the use of Cuticle Scissors entirely unnecessary.

Price 2/- per bottle, 18/- per dozen, P.A.T.A.

### "CUTEX" MANICURE SET

Contains Complete Outfit of all "Cutex" Preparations in sample form, and is the most effective way of introducing these goods.

Price 2/9 each, 21/- per dozen, P.A.T.A.

Sole Agents for the United Kingdom—

**HENRY C. QUELCH & CO.** Ludgate Square, LONDON, E.C. 4.



# TRADE NOTICE.

In consequence of the great increase in the cost of the production, distribution, etc., of the undermentioned articles controlled by us, the Proprietors have been reluctantly obliged to establish the following prices which will take effect on JUNE 1, 1919.

	Minimum Retail Price per bottle.	Minimum Wholesale Price per doz. net.
Mrs. S. A. Allen's World's Hair Restorer	4/6	43/-
Mrs. S. A. Allen's Zyllo-Balsamum	3/6	32/-
Bridal Bouquet Bloom	2/6	23/-
Melrose Favourite Hair Restorer (Large size)	3/6	32/-
Melrose Favourite Hair Restorer (Small size)	2/6	22/-
Odaline	2/3	18/-

*These preparations are on the P.A.T.A. Protected List.*

**S. R. VAN DUZER & SON,**  
114/116 SOUTHAMPTON ROW, LONDON, W.C. 1.

## Amami Shampoo of Henna



### WHOLESALE PRICES.

Boxes of 7 Powders 16/- doz.  
Loose 27/- gross

### RETAIL PRICES.

Boxes of 7 Powders 2/-  
Separate Powders 4d.

Orders of £5 value, Carriage Paid, Cases Free, with

Bonus of { 3 boxes of 7 Pdrs. @ 16/- doz. 4/0 } 10/9  
                  { 3 doz. Counter Display Box @ 27/- gr. 6/9 }

The £5 Order may be any assortment of Amami Toilet Luxuries. Send for Price List to

**THE PRICHARD & CONSTANCE  
MANUFACTURING CO., LTD.**

469 Holloway Road, N. 7.

Phone 3170 North.

This Display Box of 3 dozen Powders is part of the BONUS on £5 Orders. GET IT ON YOUR COUNTER.

# Capping Skins and Leathers

FRANK A. CONDUIT,  
SUTTON HOUSE  
2 OLD STREET,  
LONDON, E.C. 1.

## PURE SPANISH ESSENTIAL OILS

(LONABARC BRAND).

ROSEMARY

PENNYROYAL

FENNEL (SWEET & BITTER)

LAVENDER

THYME (RED & WHITE)

ORANGE

GERANIUM

SAGE

LEMON

### THYMOL

ACONITE ROOT

LAVENDER FLOWERS

GENTIAN ROOT

QUINCE SEEDS

Write for samples and prices to LONABARC TRADING CO., LTD., 60 FORE ST., E.C. 2

## BIDWELLS' LTD.

### RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn, 18/-

Mitre - - - 14/-

Elephant - - - 12/-

Anchor - - - 10/-

GROSS LOTS NAMED FREE. CARRIAGE PAID.

*We invite you to try them.  
We guarantee satisfaction.*

A selected £10 parcel of Hair Brushes  
from 30/- to 100/- per doz., carr. paid.

Made at our Factories, AXMINSTER, DEVON.

ATTRACTIVE

APPEARANCE

USE  
THE

## DEMON SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST  
METHOD OF PARCELLING.

*Ask for particulars and samples, or,  
better still, our representative will  
be pleased to call and demonstrate.*

GUMMED PAPERS LTD.

Regd. Offices:

47 RUTLAND ST. LEICESTER





# TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

## WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill



Geranium

Ginger

Juniper Berry

Lavender

Lemon

Limes

CITRAL

EUCALYPTOL

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary



CINNAMIC

ALDEHYDE

GERANIOL



# HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

A B C Code (5th Edition),  
Western Union.

Telegrams : "LANDSLOH LONDON,"  
Telephone : HOP 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York.  
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, Toronto.

# THE REASON WHY

Essential Oils  
Aromatic Chemicals  
Flower Oils

YOU ARE SEARCHING IS THAT  
YOU ARE NOT SATISFIED

YOU ARE NOT SATISFIED BECAUSE  
OTHERS ARE GETTING BETTER RESULTS

OTHERS ARE GETTING BETTER RESULTS  
BECAUSE THEY USE P. & S. PRODUCTS

P. & S. PRODUCTS ARE USED BECAUSE  
BUYERS ARE BENEFITING BY THEM

THEY ARE BENEFITING BY THEM  
BECAUSE THEY EARN MONEY

THEY EARN MONEY BECAUSE  
THEY ARE USING THE PRODUCTS OF

## POLAK & SCHWARZ, LTD.

ZAANDAM

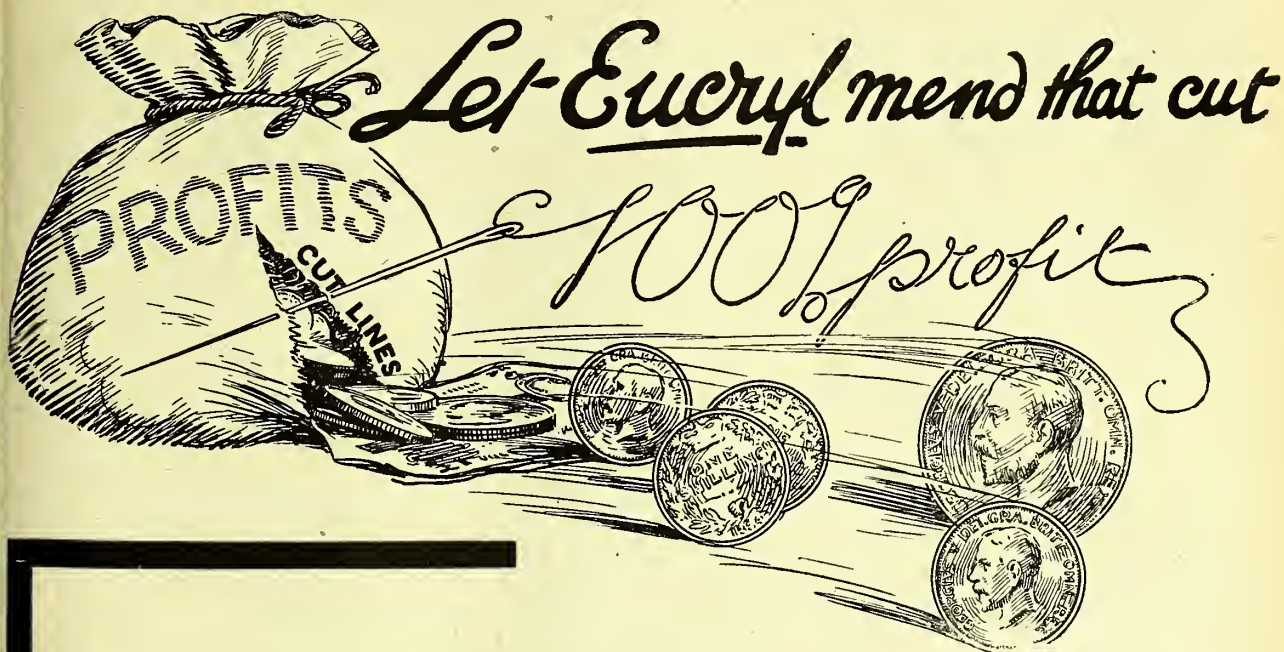
HOLLAND

BOIS-COLOMBES

FRANCE

EST. 1889.





Now, more than ever, you need to sell only profit-bearing lines. The days of cut lines are doomed, or should be so, if you, Mr. Chemist, are to make real profit in your business. Stock Eucryl Tooth Powder, Tooth Paste, and Shampoo Powders—all British—all good—all asked for—all easy to sell.

# EUCRYL

**TOOTH POWDER, PASTE,  
AND SHAMPOO POWDERS**

100% Profit at the back of every one of them—why go farther and fare worse—it isn't business. So send your season's order now for EUCRYL and cut out the cut lines.

**EUCRYL, LTD.**

LANT STREET, S.E.1

## COUPON.

Please send me  
12 doz. 7½d. Eucryl  
Tooth Powder at 5/-  
with bonus of 5 doz.  
free of charge. 3 doz. 1/-  
Eucryl Tooth Paste at 8/-  
doz. with bonus of 1½ doz.  
free of charge. 2 gross 2d.  
Shampoo Powders at 12/- gross  
with bonus of 10 doz. free of  
charge. All less 2½% cash with  
order. For which I enclose cheque  
value £5 5 4.

Name.....

Address.....

EUCRYL, Ltd., Lant Street, Southwark, S.E. 1

# COW & GATE MILK FOODS

PURE ENGLISH

IN POWDER FORM.

## CURRENT PRICES.

FULL CREAM (Pink Label).

Retail Minimum Prices 3/-

Trade " " 28/- dozen

8/6

6/9 each

HALF-CREAM (Blue Label).

Retail Minimum Prices 2/8

Trade " " 25/- dozen

7/6

6/- each

Carriage paid on orders of 60/- net assorted as desired.

Terms 2½ % Discount on accounts paid by 15th of month following date of invoice (i.e. day of dispatch), after which date no discount will be allowed under any circumstances whatever.

**"BABIES LOVE IT."**

Recommended by the Medical Profession.  
The Best and Most Satisfactory  
Infants' Food obtainable.

BLUE LABEL—For Infants from birth to six months.

PINK LABEL—For Infants from six months onwards.



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Sole Manufacturers—THE WEST SURREY CENTRAL DAIRY CO., LTD.  
GUILDFORD, SURREY.

# HOOKER'S MALTED MILK

"A complete food." — *Lancet*.

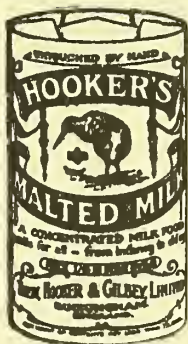
**SELLS ENTIRELY ON MERIT.**

***There is no Higher Quality or Better Value***

**BRITISH MADE & BRITISH OWNED**

DEMAND RAPIDLY INCREASING.

***LARGE PROFITS TO SELLERS.***



PRICES AND TERMS FROM

**THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.**





# FRAME FOOD JELLY IS AGAIN AVAILABLE

IT PAYS the CHEMIST HANDSOMELY to BUY  
FRAME FOOD PREPARATIONS DIRECT.

*£2 Carriage Paid secures the Best Terms.*

## ADVERTISING MATTER FREE.

Showcards, Infant-Powder Envelopes, Prescription  
Envelopes, Billheads, Dummies—an ample supply  
will be sent to Chemists only, on application.

## FRAME FOOD CO., Food Specialists

(Callard, Stewart & Watt, Ltd.)

Standen Road - - SOUTHFIELDS, S.W. 18

ALTERATION IN PRICE OF

# GESTIVO FOOD

*Yielding More PROFIT to YOU.*



This smart new Cut-out in colours sent with each order, together with our other advertising matter.

P.A.T.A. - - Tins **1/-** and **1/9**  
 TRADE PRICE - - **8/6** - **12/-** per doz.

*Advertising Scheme in Preparation. Send for Particulars.*

---

**MAURICE SMITH & CO., LTD.** MANUFACTURING CHEMISTS  
and FOOD SPECIALISTS,  
**KIDDERMINSTER.**



## Every package of Sanatogen & Formamint

now introduces the customer to

# GENASPRIN

( Brand of acetyl-salicylic acid )

**T**HIS is done by the enclosure of an attractive 8-page folder which fully explains the merits and uses of Genasprin and has already proved itself a first-rate sales-producer.

Genasprin is going strong—remarkably so for a new preparation, and, if it is true, as Mr. H. Gilleghan recently said at Leeds, that “the proprietary article has been one of the greatest blessings the retailer ever had, and brings innumerable opportunities to secure new customers,” then Genasprin should be as welcome to the retail pharmacist as it is to doctors and the public.

Whenever you sell Sanatogen or Formamint remember that the customer is a potential buyer of Genasprin, and take the opportunity to remind him of it. Impress on him that its absolute purity is unequalled even by the German aspirin of 1914, that it does not contain a particle of “free” acid, and that a leading physician describes it as “entirely free from harmful ingredients.”

Such personal recommendation from you influences the customer far more than you yourself may realise. It adds enormously to the selling-power of press-advertising, and represents that close co-operation between retailer and manufacturer which makes a good proprietary line so profitable to both.

---

NOTE.—As an emergency measure we are now supplying Formamint in ordinary white-glass bottles as well as in the familiar amber-coloured bottles, and this is being explained to the public in our advertisements.

---

**GENATOSAN, Ltd.** (British Purchasers of The Sanatogen Co.)  
12 Chenies Street, LONDON, W.C. 1. (Chairman : The Viscountess Rhondda.)

# Roboleine

## Constituents .

50 per cent. Profit to you. Window Display terms.

A scientific reconstructive tonic food, pleasant to take, easy of digestion, and readily absorbed,

Maltose, Diastase, Lecithin, Cholesterolin, Phosphorus, Calcium, Sodium & Potassium.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
Small size . .	1/1½	11/-
Medium size . .	3/-	28/5
Large size . .	5/4	51/-

# Maglactis

Yields 40 per cent. Profit if sold at face value. Window Display Terms.

A palatable, neutral, hydrated, milk of magnesia in perfect suspension, especially suitable for children and invalids as an antacid and mild aperient.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
	1/2	10/5

# Pulticine

"The all-British Poultrice," yields 40 per cent. Profit if sold at face value.

Inflammation and Pulticine cannot exist together. All inflammatory conditions, whether deep-seated or superficial, quickly yield to Pulticine treatment.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
Small size . .	2/6	23/-
Medium size . .	4/3	37/-
Large size . .	6/-	51/-

*Chemists should order at once to meet the demand. Write for window show and bonus terms.*

## OPPENHEIMER, SON & CO., Ltd.

179 Queen Victoria St., London, E.C. 4.

*Entirely British House since foundation.*



# 15,000,000 MEN

in all parts of the world are using the Gillette Safety Razor—enjoying that smooth, easy and comfortable shave only obtainable with the Gillette. This vast number is being increased every day. Think what this means to you!

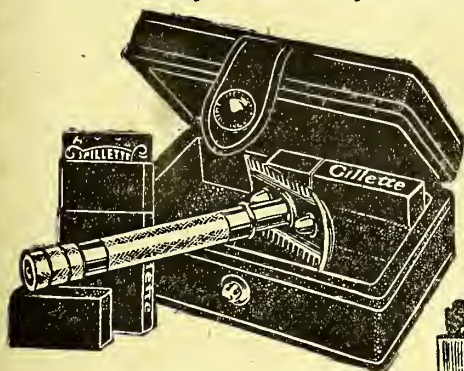
Are *YOU* deriving any benefit from the huge demand for Gillette's and Gillette blades? One sale means a continuously returning customer. So efficient are the Gillette blades that once a man becomes a Gillette owner he always uses Gillette blades, replenishing his stock from time to time.

You can obtain many satisfied and permanent customers if you stock Gillettes. Make a particular point of sending your enquiry to-day.

# Gillette

## SAFETY RAZOR

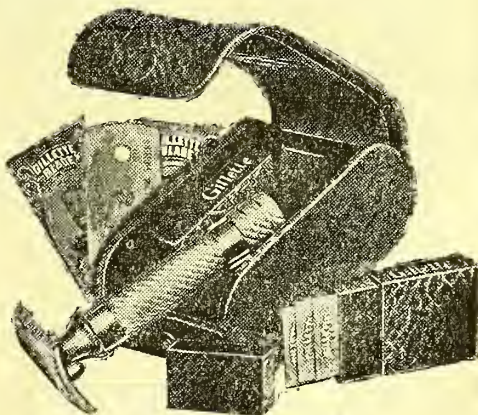
Sold in many attractive styles to suit everybody at prices ranging from 21/- to £10 10 0.



### GILLETTE STANDARD SET,

The original Gillette Set that introduced the modern way of shaving—no stropping, no honing—"known the world over." Contains Triple Silver-plated Razor; blade boxes with 12 double-edged Gillette Blades (24 shaving edges). The whole contained in Leather case ... **21/-**

GILLETTE  
SAFETY RAZOR, Ltd.,  
200 Great Portland St.,  
London, W. 1.



### "BULLDOG" SET.

The new model Gillette, Stocky Bulldog Handle, heavier than the Gillette Standard. Extra generous in the grip and beautifully balanced. In Grey Antique Leather Case, Velvet Lined, containing Razor and 12 double-edged blades in blade boxes to match razor case **21/-**



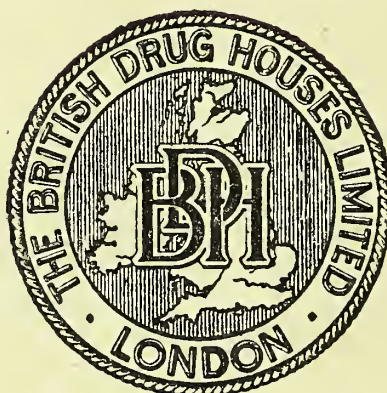
### GILLETTE BLADES.

Sold in cartons, 12 blades (24 shaving edges), for 4/-. Also supplied in packages of 6 (12 shaving edges), each in separate envelope, for 2/-.



Telegrams: "TETRADOME, TELEW, LONDON,"  
(2 words).

Telephone: LONDON WALL 6123.  
(6 lines).



REGISTERED TRADE MARK.

CHEMICAL WORKS:  
Wharf Road, N.

REGISTERED OFFICES  
and address for all communications:  
22-30 Graham Street,  
City Road, N.





(A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.  
ESTABLISHED 1850.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

#### SUBSCRIPTION RATES.

FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6d.; *Diary* 3s. 6d. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15s., franco.  
Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher  
Head Office: 42 CANNON STREET, LONDON, E.C. 4.  
Telegrams: "Chemica. Cannon, London." Telephone Central 3617 (three lines).  
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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## Coming Events.

### Friday, May 30.

Amalgamated Society of Pharmacists, Drug and Chemical Workers (Unqualified Section), Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 p.m. Meeting.

### Monday, June 2.

Society of Chemical Industry, Burlington House, Piccadilly, London, W., at 8 p.m. Concluding meeting of the session and exhibition of apparatus (scientific and technical).

National Association of Chemists' Assistants, Mechanics' Institute, Nottingham, at 8 p.m. Meeting of pharmaceutical employees.

### Tuesday, June 3.

Röntgen Society, 18 John Street, Adelphi, London, W.C., at 8.15 p.m. Annual meeting; paper on "The Photographic Side of Radiography and the Use of Intensifying Screens, by Mr. N. E. Luboshey.

Amalgamated Society of Pharmacists, Drug, and Chemical Workers, Johnston's Tea Rooms, 6 Broadway, Wimbledon, at 8.15 p.m. Meeting for managers and assistants.

### Wednesday, June 4.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 12 noon. Council meeting.

### Thursday, June 5.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 p.m. Papers on Cryptopine, An Isotonic Apparatus for Comparing Molecular Weights, The "Active Substance" in the Iodination of Phenols, The Influence of Orientation on the Boiling Points of Isomeric Benzene Derivatives, The Atomic Weight of Iodine and the Discovery of a New Halogen, The Absorption Spectra of the Nitric Esters of Glycerol.

### Friday, June 6.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 p.m. Professor Sir Ernest Rutherford on "Atomic Projectiles and their Collisions with Light Atoms."

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### War Regulations Altered.

*Chestnut Extract.*—The Chestnut Extract (Dealings) Order, 1916, and the Order relating to dealings in chestnut extract dated November 29, 1916, have been cancelled.

*Flax Seed.*—The Imported Flax Seed (Control) Notice, 1918, was cancelled on May 23.

### Whitsuntide Holidays.

The following wholesale houses will be closed from Friday evening, June 6, to Tuesday morning, June 10: Berton, Arthur, Ltd., 15 and 17 Worship Street, E.C. 2. Newbery, Francis, & Sons, Ltd., 27 and 28 Charterhouse Square, E.C. 1.

The Whit-week closing in the Huddersfield Chamber of Trade area is to comprise June 9, 10, and 11.

### Public Dispensing.

The Yorkshire Asylums Committee have recently increased the scale of salaries for "dispensing chemists" in their employ from 150*l.* (rising to 200*l.*) to 200*l.* (rising to 300*l.*).

The Local Government Board announce that they have now withdrawn fixed scales of salaries for dispensers. The effect of this is, that while a dispenser appointed on a fixed scale will receive increments as due by the scale, it is open for Boards of Guardians to increase the salary beyond the present maximum if they think fit—though the sanction of the L.G.B. will still be required for individual cases.

### Hospital Officers' Association.

An account of the formation of the Pharmacy Unit of the Hospital Officers' Association (*C. & D.*, March 29, p. 47) is given in the May issue of the "Hospital Gazette." Mr. F. A. Hocking, of the London Hospital, was in the chair, and was supported by Messrs. E. A. Andrews, J. W. Peck, J. Langford Moore, and J. A. Jennings. The Chairman, in his speech, stated the objects of the unit to be as follows:

(1) To provide a service of honest standard to employers both as regards skill and morals. For it was to be remembered we had duties as well as rights, and it was up to all to promote the welfare of employers or institutions served.

(2) To improve the conditions of the members; to procure for them proper status and suitable pay. The pharmacist, educationally and socially, was on a level with the secretary.

(3) To assist members to secure fresh appointments in the hospital world. In the past, members of the Association had found it of advantage to them. As an instance he would mention a recent case. A pharmacist member, thanks to the introduction of the Hospital Officers' Association, secured a post on the National Health Insurance Commission. But for this help he would probably still be pharmacist to a North-East London hospital.

(4) It was hoped to promote a sense of unity among all those engaged in hospital pharmacy.

A resolution that the unit be formed was put to the meeting by Mr. J. Langford Moore, and after discussion thirty-five voted in favour of the resolution, three being neutral. The Chairman said he had received sixteen promises of membership from the provinces, and forty from London.

### Birmingham.

Birmingham gas has risen from 3*s.* to 3*s.* 4*d.* per 1,000 cubic feet.

The Rotary Club has organised, at the Birmingham Chamber of Commerce, successful exhibitions of Birmingham merchandise.

The Birmingham Insurance Committee, which should have been dissolved on June 30, has decided to prolong its existence to the end of the year.



A local plant for producing nitric acid from the nitrogen of the air by electrolytic methods has been abandoned. It was in charge of a highly salaried engineer, with a girl chemist aged nineteen.

The Board of Agriculture and Fisheries has ordered that sheep are to be dipped between June 15 and August 15 in the newly included area of the County of Warwick with Birmingham and Coventry.

There is considerable dissatisfaction among local pharmacists with regard to the Apothecaries' Assistants' compact, for in Birmingham there are many persons who have tried and failed to qualify, and might think themselves now eligible.

Mr. Jeffrey Poole, chemist and druggist, Chairman of the Baths Committee, was one of the Councillors presented to the King during the Royal visit. Among the guests present at the Town Hall reception was Mr. Whittock, a director of Boots, Ltd.

The arrangements of our railway companies again formed a subject of comment at the meeting of the Birmingham Chamber of Commerce on May 26. It was said that in one case a messenger waited nearly two hours in a queue in order to hand in a parcel for despatch.

Important developments in the teaching of pharmacy in the Midlands are contemplated, and it is hoped to make Birmingham a Mecca of pharmacy. There is a wide scope among the numerous young men and women who desire to benefit pharmacy as well as themselves.

A well-known pharmacist on the outskirts of the city was fetched to the front door early one morning by a ring at the bell. It was the dustman, who was accompanied by a lady official armed with a large book and pencil. Asking the meaning of it all, our pharmacist learned that the lady was only inspecting the dustbins. "O woman, in our hours of ease —!"

Many war widows are taking up pharmacy or dispensing as a calling, and there is at present a lack of opportunities to gratify the wish of those who desire to study. The only place at present available in this city is full to overflowing, and many are in training there who are relying on the Government's pledge to give them financial assistance, although it is understood that the Pharmaceutical Society will not countenance them.

#### Bradford.

During the past few days two attempts at suicide with solution of ammonia have been reported, both the patients being young women.

Through the failure of the brake-action of a bicycle on May 20, the machine ran into the window of Taylors' Drug Stores in Kirkgate, completely smashing it. The rider received only slight injuries.

Dr. William Campbell has been appointed bacteriologist to the Bradford Corporation at a salary of 600*l.* per annum. He is at present assistant-professor of pathology and bacteriology at Edinburgh University.

#### Liverpool.

General sympathy is being extended to Mr. Harold Wyatt, Ph.C., Bootle, in his loss of a little daughter after a short illness.

Owing to overpaid errand-boys (and girls) quitting pharmacies without notice, the proprietors and assistants are frequently to be seen delivering medicines at hotels and private houses.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.) has been elected President of the Liverpool Trade Protection Society (Incorporated). Mr. Saunders announced at the Society's meeting on May 22 that he is about to make a tour round the world.

The evidence of Mr. Albert Pennicuik, a chemist's assistant from Liverpool, given in London on May 22 in what was known as the "Cissie Raymond" case, caused some amusement in court. The following is an extract from a report of the case: "She was painted like a Blackfoot Indian. (Laughter.)—Mr. Justice Darling: You have been reading Fenimore Cooper. (Laughter.)—The girl went into his shop, and told him she was Scotch, but when she produced an alleged Scotch tie he told her

she had been done. Witness added that he was Scotch himself, one of his ancestors having put seventeen Englishmen out of action with the sword. (Loud laughter.)—His lordship referred to an entry in the diary, "Birthday of a great man." He asked whose birthday it was, and witness pointed to himself.

About eight hundred members of the combined staffs of Evans Sons Lescher & Webb, Ltd., assembled at St. George's Hall on May 22, when supper, concert, dance, and whist drive were the component parts of a reception to "Our Boys," the remnant of over four hundred who had joined the Colours. The following directors, with their wives, were present: Mr. William P. Evans (chairman of the board), Mr. Herbert Evans, Mr. Kenneth Evans, Mr. J. N. Evans, and Mr. S. F. Webb (the M.C.). Mr. Tallantyre (chairman of the Reception Committee) welcomed the returned heroes, and was followed by Mr. C. F. Malvern, who said that he believed the gathering to be the first of its kind in Liverpool. Mr. Donald Cameron and Mr. C. Smith replied. Mr. William P. Evans voiced the thanks of the directors of the company, and added that it had been their effort to thank each man individually. The gathering, which did not break up till 2 A.M., was highly successful.

At Liverpool Police Court, on May 21, Patrick McCluskey, Picton Road, Wavertree, was committed for trial on a charge of selling six bottles of wine to which there was applied a false trade description, contrary to the provisions of the Merchandise Marks Act, 1887, and the Anglo-Portuguese Commercial Treaty Acts, 1914 and 1916, and also with having unlawful possession of such bottles of wine. Evidence showed that six bottles of a commodity labelled "McCluskey's Celebrated British Port Wine, Distillery, Liverpool, excisable, non-intoxicating, duty paid," were purchased at defendant's shop at 2*s.* 6*d.* each. Mr. H. E. Davies, analyst (Davies & Son, Chapel Street) said the contents of the bottle were water coloured with aniline dye, sweetened with saccharin, and flavoured with a little mixture of capsicum and saffras. None of these, except water, would be found in a wine made from grapes. The contents of the bottle were not worth more than 1*d.* or 2*d.*

#### Sheffield.

The transport of drugs has, on the whole, much improved.

A protest is to be made by the local Society against the method adopted for the election of the Local Associations Executive.

The city has been placarded by co-operative societies claiming that they pay income tax and that the profiteer wishes them to pay twice.

The business of Mr. J. C. Gibson, referred to in this column last week, has been purchased by Mr. W. T. Harlow, chemist and druggist, Waverton, Chester.

At a recent meeting of the Council of the Local Society it was decided to invite the members of the Junior Association to become associates of the Society, forming a students' section with their own officers.

Mr. Arthur Knowles, Woodseats, who was selected for a vacancy on the Infants' Welfare Committee, is unable to accept the position, as the Committee is to meet during the busiest time of the day. This is unfortunate.

The Society of British Gas Industries has awarded Mr. F. W. Epworth (the son of a Sheffield resident) the 100*l.* prize offered by Sir Robert Hadfield for an essay. Mr. Epworth, who was formerly assistant-lecturer to Professor W. Palmer Wynne, is a research chemist and a teacher of chemistry at Warrington.

Pharmacy has, for the first time, been recognised by the invitation of the President of the Sheffield Pharmaceutical and Chemical Society to meet the King and Queen on their recent visit to the city. Chemists have been selected as guests on previous visits, but as representatives of other public bodies.

#### Miscellaneous.

DRUGGING OF ANIMALS ACT.—At Driffield, on May 22, H. Elvidge, farm hand, was fined 15*l.* for giving "poisonous drugs" to horses, one of which died in consequence.



**EX-SOLDIERS FOR PHARMACY.**—At the last meeting of the Leeds Interviewing Board in connection with the training of ex-soldiers, it was found that the majority of the applicants were desirous of taking up pharmaceutical training.

**CLUB FOR TECHNICAL CHEMISTS.**—The Newcastle-on-Tyne Chemical Industry Club, which has just been formally opened by its President, Dr. P. P. Bedson, aims, *inter alia*, at forming a library of chemical technology. The Vice-Presidents of the Club are Sir A. Hadcock, Sir C. Parsons, Sir G. Beilby, Dr. J. E. Stead, and Professor H. Louis.

**EARLIER CLOSING.**—The chemists of King's Lynn have agreed to close at 6 P.M. on Mondays, Tuesdays, Thursdays, and Fridays, and at 7 P.M. on Saturdays, except for the dispensing of urgent medicines.—At Pontypridd the pharmacists have decided to close at 7 P.M. on Mondays, Tuesdays, Wednesdays, and Fridays, 1 P.M. on Thursdays, and 9 P.M. on Saturdays.

**FIRES.**—On May 22, a spark from a furnace caused an outbreak of fire on the premises of Baiss Bros. & Co., Ltd., Grange Road, Bermondsey, London, S.E., a lean-to shed and its contents being severely damaged; the fire was, however, prevented from spreading much further.—On the same day, a spark from a railway engine caused a slight outbreak on the premises of Mr. R. J. H. Weatherill, chemist and druggist, Springbank Road, S.E.

**ENEMY PATENTS.**—Applications for grant of licences under patents vested in the Custodian are being made by the Morton Sundour Fabrics, Ltd., for eight dye patents; by the Damard Lacquer Co., Ltd., for seven bakelite patents; by Samuel Cutler & Sons, Ltd., for three Messerschmitt hydrogen patents; by Cellon, Ltd., for two patents for cellulose acetate; and the British Association of Glass Bottle Manufacturers, Ltd., for a bottle-making apparatus. The hearings take place at the Patent Office on June 4 and 5.

**STUDENTS' BOTANICAL RAMBLE.**—The South of England College of Pharmacy (Principal, Mr. H. Lucas, Ph.C.) held its first botanical ramble on May 21, when the hills and valleys near Caterham were explored. The weather was delightful, and the students to the number of about fifty spent an enjoyable and profitable afternoon. Amongst the many specimens gathered and discussed were *Conium maculatum*, *Atropa Belladonna*, *Rhamnus catharticus*, *Viburnum opulus*, *Asperula odorata*, *Ajuga reptans*, and *Solanum dulcamara*.

**SURPLUS GOVERNMENT STORES.**—The Disposal Board of the Ministry of Munitions announce that doctors and dental surgeons who are serving in the Royal Army Medical Corps or have been in the Army may purchase surplus instruments. New instruments will be supplied at 10 per cent. below contractors' prices; used instruments are subject to a discount of 33½ per cent. X-ray and electro-medical apparatus is to be disposed of to persons who have been officers in the R.A.M.C. No facilities have been given to chemists who have served in the R.A.M.C. to obtain an outfit for a dispensing department on advantageous terms, but Government stores of various kinds are described in "Surplus," a bi-monthly catalogue, the first number of which is about to be published officially.

**POISONING.**—An inquest was held at Heanor, on May 22, on the body of Mr. Henry Dix, who had been found dead in his room at the school of which he was the headmaster. Mr. Cyril Vincent Musson, chemist and druggist, temporary manager at the Heanor branch of Boots, Ltd., said the deceased came to the shop and asked for some strong prussic acid to poison a dog. They had only a weak solution in stock, but he offered to obtain what was required. Deceased subsequently called and said he did not want the acid, as the dog had been shot. On May 19 he came again, and said he would take the acid, as he had a friend who wanted a dog poisoned. From inquiries he had made, witness considered it was all right, and allowed deceased to have the acid after signing the poison register. Medical evidence indicating hydrocyanic acid

poisoning having been given, a verdict of "Suicide while in an unsound state of mind" was returned.

**THEFTS FROM SHOPS.**—At Wakefield, on May 21, three lads, named Herbert Hardy, A. Hardy, and G. Herting, were charged with being concerned in breaking and entering the shop of Mr. C. W. Duffin, Ph.C., Bull Ring, and stealing therefrom a camera, value 37s. 6d., and the sum of 5s. Evidence showed that the two Hardys had been employed by Mr. Duffin. Herbert Hardy was sentenced to three months' hard labour, and the two other boys were placed on probation, and ordered to pay 12s. 6d. costs each.—At Dover Quarter Sessions, recently, two youths, named Minter and Cork, were charged with breaking and entering the premises of Timothy White Co., Ltd., and stealing goods therefrom. It was stated that one of the lads was in the employ of the company as an errand-boy, and the other similarly in that of Harcombe Cuff, Ltd., chemists. Minter was sent to Borstal for three years, and Cork was bound over.—At Blackpool, on May 24, Lavinia Eastwood, a married woman, was sent to gaol for two months for stealing two bottles of perfume from the shop of Boots, Ltd., Market Street.

**INDUSTRY AND THE UNIVERSITIES.**—A meeting of representatives of the Universities and representatives of the Federation of British Industries was held on May 20 for the purpose of considering the setting up of an organisation which might act as a clearing-house between Universities and the industries of the country. It was suggested that some arrangements might be made by which young men leaving the Universities would have the opportunity of passing into productive work which would give full scope to their abilities and education. Professor Ferrier (Bristol) estimated that 95 per cent. of first-class University men would be employed as ordinary routine business men. There had been a marked tendency for University-trained men to proceed overseas, and even in the United States the English University man was generally sure of finding employment. It was to be hoped, he added, that this exodus of the finer grade of worker would be stopped by the offer of suitable employment in this country. Several speakers from other Universities followed, and it was decided that a further meeting should be held at an early date.

**IN THE COURTS.**—At Marylebone Police Court, London, on May 23, Edward Andrew Hamelberg, described as a pay clerk at the War Office, was remanded on a charge of stealing a cheque. It was stated in evidence that after being arrested and cautioned, the accused admitted that he took the cheque. "I was hard up," he continued, "and I owed Mr. Ellis, a chemist, of Harleyford Road, Kennington, 9l., and I made the cheque out, but I have no account at Cox's. I got 2l. 5s. from Mr. Ellis's man on the cheque, and have been very foolish."—At Guildhall Police Court, London, on May 23, summonses under the Liquor Control Order were heard against Cecilia T. Desensky (licensee of the Café Royal, Aldgate) and Rudolf Desensky for supplying, and John P. Johnson for consuming, maag bitters during restricted hours. The defence was that Johnson, a friend of the Desenskys, had suffered from rheumatic fever, and sometime felt very queer. Mr. Desensky, having suffered from dysentery, had found benefit from these bitters, which he recommended to Johnson, and gave him a dose as a tonic. There was no question of sale. Mr. Johnson regarded it as herbal bitters of foreign origin, and had always understood it was non-alcoholic. The Alderman dismissed the summons against Johnson, fined Mrs. Desensky 5l., and bound Mr. Desensky over in 5l. for six months.—At Norwich, on May 26, Alexander Anderson, motor mechanic, was charged with obtaining by fraud a camera and six films, value 4l. 18s. 6d., from Mr. William James Lacey, chemist and druggist, St. Giles Street. Accused was further charged with obtaining some sponges and a safety razor, value 2l. 5s., from Mr. Lacey. Anderson, who had disposed of the camera for 5l. 10s., was said to have a bad record. He was sentenced to six months' hard labour.

**CANADIAN LEGISLATION FOR NARCOTIC DRUGS.**—Canada has prohibited the export and import of cocaine and opium except under licence.



## Irish News.

### Brevities.

Mr. Hugh M. Kelly, Ph.C., has taken over the business of Mr. D. N. Stewart, Duke Street, Waterside, Londonderry.

At Cavan Quarter Sessions, on May 27, the adjourned case against Peter Casey was entered (*C. & D.*, April 5, p. 49). Accused had been found guilty at the last sessions, and allowed out to enable him to make good the damage. He did not now appear, and a warrant was issued for his arrest.

The Local Government Board has advised the Clones Board of Guardians to go into the account, of over 40*l.*, rendered by Mr. J. J. Kerr, Ph.C., Clones, for medicines supplied during the recent influenza epidemic. The L.G.B. suggest that two members of the Board, and the medical officer, should undertake this task.

The wood and metal splint class organised by Mr. A. W. Mann, Ph.C., and the Principal of the Technical School, Lurgan, was recently brought to a close, after a very successful season's work. Large numbers of splints, bed-rests, etc., had been forwarded to the St. John Association in London, and some to Lurgan Infirmary, while several of the Belfast hospitals had been provided with bed-rests.

The circumstances attending the death of Mr. Joseph Shepherd, chemist and druggist, Bond's Hill, Londonderry, were investigated at an inquest held on May 22. Maisie Shepherd, deceased's daughter, said that on May 20 her father sent her with a written order for ten grains of morphia to McCully & Co., Ltd., chemists. Subsequently, about eleven P.M., when she took him up a drink of milk, he appeared to be asleep, and as she got no answer she at once sent for Dr. Browne. Dr. Browne stated that when he saw deceased he came to the conclusion that an overdose of morphia had been taken. After hearing Mr. Samuel Robert Hamilton as to the sale of the drug, the jury found that death was due to an overdose of morphia taken by misadventure. The coroner and jury expressed their sympathy with the relatives.

### Belfast.

At Belfast Police Court, recently, two demobilised soldiers, named Hugh Dougherty and James Crossan, were each sentenced to seven days' imprisonment for the theft of a set of forceps from the shop of T. J. Kerr & Co., druggists, 130 Divis Street.

## Scottish News.

### Brevities.

A Scottish pharmacist was asked the other day for a tin of "Glasgow."

Mr. Walter Sutherland, chemist and druggist, has opened a business in Pultneytown, Wick.

Inverurie Town Council has accepted the tender of Mr. Peter A. Abel, chemist and druggist, for the ensuing year.

Stirling Town Council has accepted the tender of Mr. J. Duncanson, chemist and druggist, for serums for the hospital.

Falkirk Town Council has published a draft closing-order for chemists and druggists, the closing-hours proposed being 7 P.M. on Mondays, Tuesdays, Thursdays, and Fridays, and 8 P.M. on Saturdays. Objections may be lodged (in writing) with the Town Clerk before June 21.

### Dundee.

Sphagnum moss is being advertised for in the local Press by a well-known London manufacturing chemist.

Four men and two women were arrested in Dundee on May 24 for drunkenness, one of the men being in such a state of collapse that he was taken to the Royal Infirmary: the intoxicant in each instance was methylated spirit. "Examples like this," the "Dundee Advertiser" remarks, "are by no means uncommon."

### Edinburgh.

An advertisement in a local paper reads as follows: "Chemist's assistant wanted, improver of 2 years' experience; wage 22*s.*; state age and experience."

Photographic business is excellent. One or two of the big City firms still give a coupon with each photographic spool, entitling the holder to have the film developed for 6*d.*; but as a rule the lowest price now charged is 9*d.*

### Glasgow.

The bowling section of the Glasgow Pharmacy Athletic Club held a match on the green of the Mount Florida Bowling Club on May 27. The skips and scores were as follows:

C. B. Lee ...	...	25	D. Black ...	...	11
J. Moir ...	...	18	H. P. Arthur ...	...	12
J. T. Simpson ...	...	15	J. Cameron ...	...	9
G. McDonald ...	...	13	A. G. Sutherland ...	...	13

The winning team were: Messrs. C. B. Lee, J. Gowan, J. Murchie, A. Twedily. The prizes were four pocket-wallets, which were handed to the winners by Mr. George McKay. It is hoped that there will be a larger turn-out of players at the next match, which will be held on Queen's Park Green on June 24.

### Scottish Chemists' Retail-price List.

The following are among the alterations in the Scottish Chemists' Retail-price List: *Drugs*—Glyc. pepsin., 1*s.* 3*d.* oz.; liq. formald., 3*d.* oz.; liq. pancreat., 8*d.* oz.; methyl. salic., 1*s.* oz.; ol. cadini, 8*d.* oz.; ol. menth. pip. redest., 8*d.* dr.; ol. olive subli., 4*d.* oz.; pot. permang., 10*d.* oz.; resorcin, 9*d.* dr.; sacch. lact., 4*s.* 9*d.* lb.; sodii brom., 2*d.* dr.; sodii salic., 2*d.* dr.; ung. hydrarg., 9*d.* oz. *Packed Goods and Dressings*.—Liq. ext. casc. sag., 2-oz. bot., 1*s.*; boric lint, 6*d.* oz. *Proprietaries*.—Allcock's. Bunion Shields, 1*s.* 3*d.*; Chanteaud's Seidlitz, 2*s.* 6*d.*; Clarke's Blood Mixture, 3*s.* and 10*s.* 6*d.*; Cuticura, 1*s.* 3*d.* and 2*s.* 6*d.*; Uzon Brilliantine, 1*s.* 3*d.* and 2*s.* 9*d.*; Eno's Fruit Salt, 2*s.* 9*d.* and 4*s.* 6*d.*; Scrubb's Ammonia, 1*s.* 4*d.*; Seigel's Syrup, 1*s.* 3*d.* and 2*s.* 6*d.*; Singleton's Eye Ointment, 2*s.* 3*d.*; Valentine's Meat Juice, 4*s.* 6*d.*; Williams's Pink Pills, 2*s.* 9*d.*

A new feature of the list is the publication of "store-prices" for reference. These are of interest as showing that a reaction towards cutting has set in. The following are examples: Allcock's Bunion Shields, 1*s.* 1½*d.*; Clarke's Blood Mixture, 2*s.* 9*d.* and 9*s.* 6*d.*; Eno's Fruit Salt, 2*s.* 4½*d.* and 4*s.*; Singleton's Eye Ointment, 1*s.* 1½*d.*

## French News.

(From the "C. & D." Paris Correspondent.)

M. HENRI GAUTIER has been re-elected Director of the Paris School of Pharmacy. The term for which he was first elected expired some time ago, but a moratorium existed until the termination of hostilities.

A COMPETITIVE EXAMINATION, to be held early in July, for the post of head pharmacist in the Paris hospitals is announced. Several pharmacists holding similar positions will shortly attain the age-limit. These include Professor Bourquelot, of the Paris School of Pharmacy, M. Léger (honorary member of the Pharmaceutical Society of Great Britain), M. Villejean, and M. Guinochet.

WHITE WINE AND OYSTERS.—That there is nothing like white wine with an oyster supper every Frenchman is well aware. But we have to thank MM. Ch. Richet fils and André Gigon for showing us that, while thus gratifying our palates, we are defending ourselves against microbes. Graves, they tell us, kills off 86 per cent. of the Eberth coli-bacteria, and Barsac 99 per cent. Even lemon-juice destroys 92 per cent., and vinegar 40 per cent.; so that a "dry" America can protect itself if need be.

COUNT HILAIRE DE CHARDONNET, who has been elected a member of the Academy of Sciences (Section of Science as Applied to Manufactures), is best known as the inventor of artificial silk. During his long life (he is now eighty) he studied many other matters—ultra-violet rays, the spectral laws of refraction, and various subjects connected with optics, photography, etc. The Cross of the Legion of Honour was awarded him by the Minister of War for improvements in the methods of preparation and analyses of pyroxylin.



## Organising the Drug-trade.

### Encouragement for Brighton Assistants.

WELL over one hundred assistants attended the meeting, held in the Public Library, Brighton, on May 21, which had been arranged by the Brighton and Hove Association of Pharmacy, to help with the organisation of chemists' assistants. The President of the Association (Councillor Yates) took the chair, and called upon the Secretary to give details of the present need for organisation for chemists' assistants. Mr. Edgar Jones said that the assistants need not fear the hidden hand; the meeting had been called so that they might hear delegates representing various organisations, and then make their own free choice as to which they should join. The speaker gave outlines of the negotiations that have been held up to the present relating to the Trade Board and Industrial Council, and said that the Industrial Council was not a dodge whereby masters could escape paying assistants higher wages or could employ them during longer hours. The Industrial Council would have to work with the Ministry of Labour, and wages and hours of work would be among the first things to be settled. Mr. Herbert Skinner related his experiences in connection with organising chemists' assistants, and said that if an Industrial Council were to be obtained by the chemical trade, organisation of the assistants was absolutely imperative. Mr. Last, representing the National Association of Chemists' Assistants, said he hoped to convince the meeting that his was the organisation best suited to the needs of the retail workers, it being the only one for chemists' assistants solely. His was a voluntary organisation, and he believed in peaceful measures rather than trade-union methods. Mr. Hawkins, Organising Secretary of the Pharmacists, Drug and Chemical Workers' Union, told how the Union had already been successful in getting increases in wages amounting to 16s., 18s., and 20s., per week, and that without having to call out a single worker. All Scotland had agreed to join their Union, and in his opinion nothing but trade-union methods would be of any use. It was asked whether any union so far had admitted to membership both employers and employees. Mr. Hawkins said no such union ever existed, nor could one so constituted exist. A resolution was passed urging all assistants to join some organisation at once, in order to further the trade's proposal for an Industrial Council.

### Drug Union Busy.

A WELL-ATTENDED MEETING of chemists' assistants, called by the Amalgamated Society of Pharmacists, Drug and Chemical Workers, was held at the Essex Hall, London, W.C., on May 15. The chair was taken by Mr. J. Humphrey, Ph.C. Mr. Todd, chemist and druggist, advised those present now to accept the advantages offered them by joining the Society. He was followed by Mr. Skinner, Ph.C., who dealt very fully with the objects, aims, and formation of the Union. Many questions were asked and several recruits were obtained. In responding to a vote of thanks, the Chairman said he had organisation in pharmacy very much at heart, and was pleased to be of any assistance to the Society, which he felt sure was the only one they should all join.—At Southend, a meeting of assistants was held at the Conservative Club, Clarence Road, on May 23. Addresses were given by Mr. E. N. Lloyd and Mr. Greenfield, and it was decided to form a branch of the Society for that district. Officers were appointed, and Mr. Vint was elected Secretary.—The monthly conjoint meeting of the Pharmacists' and Assistants' Branches was held on May 26 at the Progressive Pharmacy Club, with Mr. Mills (Assistants' Branch) in the chair. The question of establishing a combined central club and union headquarters was gone into, and it was generally agreed that the proposition was a good one. A resolution to that effect was directed to be forwarded to the Executive. The question of forming local branches was also considered, and it was resolved that the London area should be divided into five branches, each being held responsible for the members in its area. Mr. Broadbridge, Secretary of the Assistants' Branch, reported that the membership of his section had trebled itself during the past month, large numbers of assistants from Boots, Ltd., and other large firms applying for membership. Mr. W. Greenfield, of the Pharmacists' Branch, reported on the successful propaganda work accomplished during the month, especially in the Western and South-Western districts, and, in calling for more helpers, mentioned that the work had shown how scattered the men really are. Mr. E. R. Jones,

in calling attention to the strong numerical position of the retail section, voiced the need for a retail organiser, and the Executive were requested to proceed with the matter.—Further meetings have been held as follows: On May 20, at Balham, with Mr. Wells, chemist and druggist, in the chair; on May 22, at Streatham, Mr. J. Pfenninger, chemist and druggist, presiding; and on May 23, at Acton, under the chairmanship of Mr. A. G. Wrench, chemist and druggist. The meetings were addressed by Messrs. Todd, Greenfield, and other pharmacists, who explained the aims of the Society and the advantages of a registered craft union over a mixed organisation. Mr. Todd also showed that efficient organisation could come only through trade unions, and outlined their history. Many questions were put, and at the close additional members were obtained.

## Colonial and Foreign News.

**POLES HOARDING SILVER.**—The considerable export of silver nitrate to Poland has now been stopped, as the Poles were found to be using it to obtain metallic silver, in order to increase their silver bullion reserve.

**UNPOPULAR DRUG TARIFF.**—Pharmacists have met recently in Prague, protesting against the interference in pharmaceutical affairs by lay members of the new Government. The dispensing-charges of the recent medicine tariff are stated not to cover even the cost of the drugs.

**A DANGEROUS SUBSTITUTE.**—The Austrian Minister of Public Health has issued a warning against the use of "West Indian sandalwood oil," which is obtained from *Amyris balsamifera* (N.O. *Rutaceae*), and is stated to give rise to dangerous secondary effects, owing to the presence of irritant terpenes.

**A NEW PHARMACEUTICAL** weekly journal has appeared in Prague, under the title "Lékárnicky Tydeník," edited by MM. Aug. Kolacny and Z. Smahel. Its programme is to promote the interests of Czech-Slovakian pharmacists, and to further the co-operative movement. Special attention will be paid to trade matters.

**MUNICH PHARMACISTS ORGANISED.**—A number of Munich pharmacists has formed an association, with a professional journal, to combat the system of limitation of pharmacies. They maintain that pharmacy as a middle-class profession is not ripe for nationalisation. They demand maximum fixed prices for all articles, and adequate remuneration for the personnel.

**PHARMACY COLLEGE'S FINE OFFER.**—The Philadelphia College of Pharmacy has provided a "Review" course, of thirty hours' class work, free to men who have served with the Colours and who are graduates of this or other Colleges of Pharmacy. Registered clerks or proprietors, about to resume their calling after demobilisation, are also invited to enroll for this course. The offer is prompted by the desire to be helpful in the rehabilitation of returned soldiers and sailors who were pharmacists before joining the Services.

**PHARMACY IN FINLAND.**—The revolution in Finland, and the fighting between the "Red" and the "White" Guards, has had both a material and moral effect on Finnish pharmacy. During the fighting two owners and about ten assistants were killed; numerous pharmacists were obliged to hand over medicaments, tinctures and other alcoholic preparations being particularly requested. The pharmacists, in consequence of these aggressions, threatened to close their establishments, and the Red Guards thereupon desisted, although in a few places the pharmacies were completely wrecked. At Abo a pharmaceutical student was appointed chief superintendent of all pharmacies, with a monthly salary of 40/. At present medicaments are extremely scarce, and there is general unrest among members of the profession, as pharmacy is now in the political melting-pot. In 1883 all new "concessions" granted were available until 1925 only, when they will revert to the State. Several Commissions have failed to clear up the rather chaotic conditions of Finnish pharmacy. However, the various pharmaceutical associations have now elaborated a pharmacy Bill to regulate the exercise of the profession, and about 650 pharmacists (three-quarters of the total number) have signed this project. This step was taken as a result of the Government's avowed intention of converting pharmacy into a State monopoly, a proposal which has caused great dissatisfaction.



## New Companies and Company News.

**P.C. means Private Company and R.O. Registered Office.**

**CAMBERWELL CHEMICAL Co., LTD. (P.C.).**—Capital 12,000*l.* Objects: To carry on business as chemical, borax, soap, and explosive manufacturers, etc. R.O., 50 Croom's Hill, Greenwich, London, S.E. 10.

**HERBERT & Co. (S.A.R.), LTD. (P.C.).**—Capital 15,000*l.* Objects: To carry on business as manufacturers of and dealers in polishes, powders, wax, and essential oils of all kinds. Solicitor: E. H. Riches. 85 Gracechurch Street, London, E.C.

**ASCOTT'S PHARMACIES, LTD. (P.C.).**—Capital 1,000*l.* Objects: To acquire the business of chemist and druggist recently carried on by the executors of the late T. Ascott, of 1098 Harrow Road, W. R.O., 1098 Harrow Road, London, W.

**COOPER & HURLEY, LTD. (P.C.).**—Capital 5,000*l.* Objects: To acquire the business of a manufacturer of soap, chemicals, etc., carried on by J. H. Cooper at Commercial Buildings, Dame Street, Dublin, as Cooper & Hurley. R.O., Commercial Buildings, Dublin.

**BYGLOVERZA, LTD. (P.C.).**—Capital 2,000*l.* Objects: To carry on business as engineers, manufacturing chemists, printers, publishers, publicity experts, etc. First directors: H. N. Ballantyne and G. H. Glover, 187 Camberwell New Road, London, S.E. 5.

**GRAYS DYES AND COLOURS, LTD. (P.C.).**—Capital 20,000*l.* Objects: To carry on business as manufacturers of and dealers in dyes, colours, chemical products, soap-powders, weed-killers, etc. Agreement with Grays Chemical Works, Ltd. R.O., 4 Broad Street Place, London, E.C. 2.

**JAMES FRANCIS, LTD. (P.C.).**—Capital 500*l.* Objects: To acquire the business of a chemist carried on by J. Francis at Pool Street, Carnarvon. The directors are J. Francis, chemist, 13 Pool Street, Carnarvon, and L. W. W. Lloyd, veterinary surgeon. R.O., 13 Pool Street, Carnarvon.

**GENERAL CHEMICAL AND PHARMACEUTICAL Co., LTD. (P.C.).**—Capital 6,000*l.* Objects: To carry on business as manufacturers of and dealers in chemical, pharmaceutical, industrial and other preparations, soaps, unguents, perfumes, photographic requisites, etc. The first directors are R. S. Haskew, 103 Hampton Road, London, E. 7, and G. A. Bellwood, Bishop Norton.

**UNITED PREMIER OIL AND CAKE Co., LTD. (P.C.).**—Capital 1,500,000*l.* Objects: To acquire all or any of the preference and ordinary shares of Wray, Sanderson & Co., Ltd., the Premier Oil Extracting Mills, Ltd., Sowerby & Co., Ltd., John L. Seaton & Co., Ltd., and the Universal Oil Co., Ltd., and the business of those companies, to enter into an agreement with the Imperial and Foreign Corporation, Ltd., and to carry on the business of seed and bone crushers, oil extractors, manufacturers of and dealers in oil, fatty acids, glycerin, soap, candles, chemicals, colours, and manures, meal and offal dealers, etc. R.O., 1 Broad Street Place, London, E.C.

**BRITISH DYESTUFF CORPORATION, LTD.**—Capital 6,000,000*l.* The objects are: To take over all or part of the business, properties, assets, and liabilities of British Dyes, Ltd., and Levinstein, Ltd., or either of them, and all or any of the shares in the capital of such companies or either of them, with a view thereto to adopt, ratify, and carry into effect agreements (1) between British Dyes, Ltd., G. P. Norton, Levinstein, Ltd., the Rt. Hon. Baron Armaghdale, H. Levinstein, and H. Allen, (2) between British Dyes, Ltd., Levinstein, Ltd., G. P. Norton (as trustee for the company), and the President of the Board of Trade (on behalf of the Government), and to carry on the business of manufacturers of and dealers in dyes, dyestuffs, chemicals, drugs, paints, varnishes, colours, etc. The articles of association contain various provisions for excluding foreign control. Article 60 (1) provides that the company shall supply its products at reasonable prices, due regard being had to the cost of manufacture, a reasonable profit to the company, and any other relevant circumstances, including the rights of the company in respect of patents. The directors (other than Government directors) are not to number less than four, nor more than ten. The first directors are H. Levinstein, Sir Harry D. McGowan, G. P. Norton, and J. Turner, and two Government directors to be appointed by the Board of Trade. The qualification (except for a Government director) is the holding of 1,000*l.* shares or stock of the company, or of British Dyes, Ltd., or of Levinstein, Ltd., or of any company in which this company has acquired or agreed to acquire shares.

**ABERDEEN COMBWORKS Co., LTD.**—This company has applied to the Court of Session, Edinburgh, for a reduction of capital by 25,000*l.*, as the amount of capital is above the requirements of the company for working purposes. It is proposed to extinguish 25,000*l.* worth of preference stock.

**CADBURY-FRY FUSION.**—The British Cocoa and Chocolate Co., Ltd., has been registered with a nominal capital of 2,500,000*l.* in shares of 1*l.* each. The company is formed primarily to acquire all the ordinary shares of Cadbury Brothers, Ltd., and all the "A" and "B" deferred ordinary shares of J. S. Fry & Sons, Ltd. The proposed fusion of interests was announced in the *C. & D.* of October 26, 1918. The terms on which the company is to acquire the shares named have not yet been settled, and no agreement has been entered into. A director of Cadbury's has informed the "Times": "The concerns would be carried on separately, but the boards would meet on all matters affecting their joint benefit, and to effect economies in buying, methods of manufacture, and selling organisation. Joint committees would meet to discuss such matters as exports, buying, sales, advertising, factory management, etc. By the step now being taken they would be in a stronger position for meeting foreign competition."

## Legal Report.

**Pharmacy Act.**—At Marylebone Police Court, London, on May 27, Henry Rous, a director of Dodd's Drug Stores, Ltd., 35 Hampstead Road, was summoned for selling to Cecil Archibald de Lanoir morphine sulphate tablets, the box enclosing which was not labelled with the name and address of the seller of the poison, and for failing to make the necessary entries of the sale in a book as required. Frank Fowler, the manager of the business, was summoned for aiding and abetting. It was stated for the prosecution that 144 tablets containing 73.3 per cent. of morphine were found upon de Lanoir on his arrest at Liverpool under the Aliens Restriction Order (*C. & D.*, March 15, p. 48). They had been sent to him by post by Fowler without a proper label, and Fowler admitted that he had been supplying this drug for eighteen months. Rous was found on inquiry to be in business as a tailor in Edgware Road, W. He was fined 2*s.*, with 2*l.* 2*s.* costs, and Fowler 10*l.*, with 2*l.* 2*s.* costs.

## Bankruptcy Report.

**Re Thomas John Waterson Williams, 160 Park Road, Cwmparc, Treorchy,** and carrying on business at the Drug Stores, Park Road, Cwmparc, Glam.—This case, in which the deficiency figures at 32*l.* 0*s.* 10*d.*, came up for public examination at the Pontypridd Bankruptcy Court on May 20 before Mr. Registrar Spickett, insolvency being ascribed to "ill-health, business insufficient to maintain myself and family, costs of summonses, etc., interest on borrowed money." Debtor, who was examined at some length by Mr. Ellis Owen, the Official Receiver, stated that he started business in lock-up premises at Park Road, Cwmparc, Treorchy, as a dental operative mechanic in April 1918. He then had no capital, owing 40*l.* The following September he opened a shop at the same address for the sale of patent medicines, drugs, etc. He had had bad health during the whole time he had been in business, and as a result could not give it proper attention. He had done very little dental work, prior to opening for himself having been a dental assistant at Bridgend. He kept no books of account, estimating his takings in the business at about 5*l.* per week. During the past three months, however, they had not totalled more than 2*l.* 10*s.* per week. He knew of his insolvency in September, 1918, when he opened the drug business, but he had hoped his health would have improved, and he would have been able to work the business up.—The case was closed.

## Deed of Arrangement.

**Lewis, John Emanuel, 27 Glenthorne Road, Hammer-smith, London, W.,** described as a chemist, Trustee, P. S. Booth, 32 Kimberley House, Holborn Viaduct, London, E.C., accountant. Dated May 8; filed May 13. Liabilities 119*l.*; estimated net assets 173*l.* Among the creditors are: B. W. Hair & Son, 15*l.*; H. C. Quelch & Co., 4*l.*; Royle & Co., 12*l.*; and A. & E. Carreras, 6*l.*



## Import and Export Regulations

### Trade with Scandinavia and Switzerland.

The Foreign Office and Board of Trade (Department of Overseas Trade) announce that the present position in regard to the control over exports to Norway, Sweden, Denmark, Holland, and Switzerland is as follows: (1) Goods on Sections "A," "B," and "D" of the list of prohibited exports can only be exported provided a licence is first obtained from the Export Licence Department, 4 Central Buildings, Westminster, S.W. 1; (2) goods on the list of "free" exports may be exported without any formality whatever; (3) goods on Section "C" of prohibited exports (other than such goods as appear on Section "D") may be shipped (not posted) without licence provided the following conditions are observed:

(a) **NORWAY AND SWEDEN.**—Individual guarantees in respect of exports are no longer required provided the goods are consigned to the appropriate Import Association on account of the actual consignee. Should the consignee declare that the Import Association will not accept consignment the goods should be consigned to the Inter-Allied Trade Committee at Christiania or Stockholm as the case may be on account of the actual consignee. This method of consignment must also be adopted in the case of goods which are not consignable to any import association. In order that the method of consignment may be checked an arrangement has been made whereby shippers are to forward the Customs shipping bills to the Export Licence Department, 4 Central Buildings, Westminster, S.W. 1 (in envelopes marked "Shipping Section"), for approval. The shipping bills will be amended if necessary and returned to the shippers stamped "approved." Upon the production of "approved" shipping bills shipment will be allowed by H.M. Customs subject to compliance with the usual Customs formalities.

(b) **DENMARK.**—The goods should be consigned direct to the consignee provided certificate from the Danish Chamber of Manufacturers or Danish Merchant Guild is produced to H.M. Customs at the time of shipment. Should the consignee declare that the Chamber or Guild refuse to issue the necessary certificates, shipment will be allowed without certificate, if the goods are consigned to the Inter-Allied Trade Committee at Copenhagen on account of the actual consignee.

(c) **HOLLAND.**—N.O.T. certificates are no longer required, but goods must be consigned to the Netherlands Overseas Trust on account of the actual consignee. Should the consignee declare that the N.O.T. will not accept consignment, shipment will be allowed provided the goods are consigned to the Inter-Allied Trade Committee at The Hague on account of the actual consignee.

(d) **SWITZERLAND.**—S.S.S. certificates are no longer required, but goods must be consigned to the Société Suisse de Surveillance Economique on account of the actual consignee. Should the consignee declare that the S.S.S. will not accept consignment, shipment will be allowed if the goods are consigned to the British Legation at Berne on account of the actual consignee.

(4) For consignments (a) for the personal use of the consignee, (b) for trade purposes of not more than 5*l.* in value, or (c) to be exported by parcel post, it is proposed to continue to issue export licences in order to obviate consignment difficulties. These licences will be issued with the utmost expedition. (5) Where licences are already held by exporters in respect of goods which under the above regulations may now be exported without licence, the following points should be noted:

**NORWAY AND SWEDEN.**—Shipment will be permitted under the licences without the production of approved shipping bills (vide 3 (a)).

**DENMARK.**—Shipment will be permitted under the licences without the production of guarantees (vide 3 (b)).

**Norway and Sweden.**—Shipment will be permitted under the licences without the production of approved shipping bills (vide 3 (a)).

**Denmark.**—Shipment will be permitted under the licences without the production of guarantees (vide 3 (b)).

**Holland and Switzerland.**—Shipment will be permitted under the licences without the production of N.O.T. or S.S.S. certificates, even though the production of such certificates to H.M. Customs may be stipulated in the licences (vide 3 (c) and (d)).

(6) **N.O.T. and S.S.S. certificates,** which under the new regulations are not now required, should be handed to H.M. Customs for disposal at the time of shipment.

It is suggested that before any consignments are despatched exporters should ascertain by reference to the consignee whether the Import Association will accept consignment. The Inter-Allied Trade Committee or the British Legation at Berne, as the case may be, will endorse the bills of lading (without any financial liability) on receipt of satisfactory guarantees from the importer.

### Transshipment of Goods in the United Kingdom.

The Export Licence Department announces that goods of any description may be brought to this country for transshipment to any destination to which exports are

ordinarily allowed, provided that in the case of any goods on Sections "A" or "B" of the list of prohibited exports the bills of lading clearly show that the goods were intended for transshipment before they left the country of origin, or that other satisfactory evidence to that effect is produced to the Export Licence Department.

### Import Licences.

General licences have been issued permitting the importation of cocoa-butter, oleo-stearine, olive oil, articles of food containing sugar, aerated mineral and table waters (sweetened).

### Import Restrictions.

The restrictions on the importation of the following articles are to be removed: Painters' colours and pigments except in so far as they may fall within the scope of the Prohibition of Import (No. 29) Proclamation of February 24, 1919: Asphaltum, bitumen for black varnish, bone pitch, Brunswick black, burnt sienna, bone black, carbon black, carmine, China lake, Chinese ink, cinnabar native, cobalt oxide, earth colours, earth sienna, gamboge, gamboge gum, Indian ink, imitation gold leaf, lime green, ochre, orpiment, umber, and zaffre; aluminium powder; paints and enamels (from July 1); aerated mineral and table waters. The importation of the following articles is to be licensed only exceptionally, as and when required: Litharge, ultramarine blue, white lead, satin white, and lamp black; raw spirits for industrial purposes.

### Trade with Czecho Slovakia.

The Board of Trade (Export Licence Department) announce that arrangements have now been made for the despatch of goods to Czecho Slovakia, *via* Hamburg and the Elbe, provided the goods are consigned to the Relief Administration at Hamburg for account of the actual consignees in Czecho Slovakia. A duplicate set of shipping documents should be furnished direct to the Relief Administration at Hamburg. Goods on the "free" list and on Section "C" of the prohibited list may now be exported to Czecho Slovakia without licence, provided the goods are consigned as indicated above.

## Industrial Alcohol in Australia.

THE weekly bulletin of the Canadian Department of Trade and Commerce of May 12 contains an interesting article on the position of industrial alcohol in Australia, in which it is anticipated that post-war developments will materially increase the production, as the ideal raw material—molasses—is plentiful, the normal annual output in Queensland being estimated at about ten million gallons, or 62,500 tons, which, if entirely used, would produce about 4,100,000 gallons of alcohol. The total quantity of molasses hitherto used in Australia has not exceeded 15,000 tons per annum, from which about 980,000 gallons of methylated spirit were produced. The remaining 475,000 tons were used to some extent for cattle food, fuel, and other purposes, but the greatest quantity was—through difficulty of access—allowed to run to waste. The present Australian production of commercial alcohol is estimated to be about one million gallons per annum, but owing to a partial failure of the Queensland sugar crop the supply of molasses is now totally inadequate for the distilleries, and hence there is a shortage of commercial spirit at the present time. Users cannot obtain anything like their full requirements of methylated spirit, and domestic industries are suffering from the lack of it, and it would not be commercially profitable to import it owing to the Customs duty. Prior to the war alcohol for denaturing purposes was imported, chiefly in wood quarter-casks and iron drums containing about 30 to 33 gallons and 80 gallons respectively. At that time the Customs duty was 1*s.* per gallon. With the present Australian Excise duty of 1*s.* per gallon on s.v.m. of domestic production and a Customs duty of 2*s.* per gallon on denatured spirit or spirit to be denatured not less than 65 o.p., it is obvious that home producers have an immense trading advantage, to which must be added high ocean freights, exchange, and landing charges. Early in 1914, when there was no Excise duty, s.v.m. was sold in wholesale quantities by Australian methylators at 1*s.* 8*d.* per gallon, but to-day, with an Excise duty of 2*s.*, the price has advanced to 3*s.* 10*d.*, and supplies are entirely inadequate. Canadian distillers of industrial spirit want an outlet in Australia, and if spirit (65 o.p.) could be landed at principal Australian ports at not more than 1*s.* 10*d.* per gallon in bond, a considerable business could be done. The "Bulletin" article gives full particulars of the landing charges, gauging, etc., also the standard for industrial and mineralised spirit, nature of denaturants, and so on, with a view of encouraging Canadian shippers.



## Westminster Wisdom.

By the "C. & D." Parliamentary Representative

### THE WHITSUNTIDE RECESS.

The House of Commons is to rise on June 6 and resume on June 24.

### CENSUS OF PRODUCTION.

Mr. Bridgeman stated in the House of Commons that the date of the next Census of Production has not yet been fixed. Owing to the occupation of the staff with urgent war and reconstruction work it has not yet been possible to resume the tabulation of the returns received in connection with the second Census of Production (1912), but it is intended to examine as soon as possible the material which has been collected in order to ascertain the most useful form in which it can be made public.

### RELEASE OF CHEMISTS.

Mr. Clough, on May 22, asked the Secretary of State for War whether, from the point of view of national health, he will consider the early demobilisation, as in the case of doctors, of those young men who have been training to become chemists.

Mr. Forster, who replied, said that in order to be released men must be eligible for demobilisation under current instructions. He regretted that no special action in the case of the men referred to can be taken.

### AUSTRALIAN IMPORT RESTRICTIONS.

Asked in the House of Commons, on May 22, by Lieut.-Colonel Sir F. Hall what classes of manufactured goods have since the Armistice been prohibited by the Commonwealth Government of Australia from entering that country, Lieut.-Colonel Amery, Under-Secretary of State for the Colonies, said that so far as he is aware the only manufactured goods the entry of which into Australia has been prohibited by the Commonwealth Government since the signature of the Armistice are dyes other than those of British origin, and sheep-dips.

The Under-Secretary of State for the Colonies stated in the House of Commons on May 27 that the Proclamation prohibiting the importation of sheep-dips into Australia was dated March 26. Information as to the prohibition was received in a telegram from the Governor-General on May 10.

### IMPORTS OF BRUSHES.

Colonel Lambert Ward, on May 26, asked the President of the Board of Trade whether an agreement has been entered into with Japan and Italy to allow those countries to import brushes into the United Kingdom to the full extent of their 1916 imports; and, if so, whether the brush-making trade of this country, which is now in a position to supply all home requirements, was considered in this connection.

Sir A. Geddes replied: The answer to the first part of the question is in the affirmative. The arrangement was made during the war, and provided for reciprocal advantages to this country. The matter is now being considered.

### THE PRICE OF CAUSTIC POTASH.

Sir R. Cooper, on May 22, asked the Parliamentary Secretary of the Ministry of Munitions if he is aware that the Soapmakers' Federation is offering German caustic potash 90-92 per cent. at the price of 100*l.* to 105*l.* per ton; whether a price exceeding 40*l.* a ton renders this chemical impracticable for general consumption; and if he will say what effect the policy of aiding Germany to dispose of her produce at inflated prices will have on the value of the indemnity to be paid by her.

The Deputy-Minister of Munitions (Mr. Kellaway), who replied, said a proposal on the lines suggested in the question is now being considered by the Board of Trade in conjunction with the Ministry, but no decision has been reached.

### ALSACE POTASH DEPOSITS.

Mr. C. Wason asked the President of the Board of Trade on May 26 whether he is aware that the Alsatian potash mines are fully equal to meet every demand that will be made upon them for the supply of potash; and if he will consider the possibility of affording Alsace an unfettered export of the only raw material of which it has an unlimited supply and can hold its own against all competition.

Sir A. Geddes replied that the importance of the Alsace potash deposits is fully recognised by the Government. It

is necessary, however, to take into account developments in respect of potash production in the United Kingdom, and potash salts have recently been placed on the list of imports prohibited except under licence, but that course was taken only after consultation with the French Government.

### POISONS AND PHARMACY ACT.

Sir Harry Brittain, on May 27, asked the Lord Privy Seal whether he can state what are the terms of the by-law made under Section 4 (b) of the Poisons and Pharmacy Act, 1908, which is being submitted by the Pharmaceutical Society for the approval of the Privy Council; and whether he will see that the by-law referred to is drawn up in such a manner as to ensure recognition of the experience in dispensing gained by apothecaries' assistants in medical clinics set up by public authorities under the powers of the Public Health Act.

Mr. Bonar Law: The terms of the proposed by-law (which has not yet been submitted to the Privy Council) were published in the "Pharmaceutical Journal" on the 10th instant. The Regulations referred to in the last paragraph of the proposed by-law will, when submitted by the Privy Council, receive careful consideration.

### FINANCE BILL.

Clause 2 of the Finance Bill continues the increased medicine duties which were imposed by the Finance (No. 2) Act, 1915, but nothing is stated regarding any alteration in the ratio of the tax. Clause 10, which deals with the drawback on spirits used in medical preparations (C. & D., May 24, p. 61), is as follows:

Section four of the Finance Act, 1918 (which provides for the reduction and allowance of duty in respect of spirits used in medical preparations or for scientific purposes), shall apply to the duties on spirits imposed by this Act as it applies to duties imposed by that Act as though it were herein set out and expressly made applicable thereto, with the substitution for the sums specified in that section as the amount of reduction of duty or repayment of duty of such sums as will reduce the amount of duty payable under this Act to the amount of duty which was payable immediately before the increase of duties on spirits provided for by the Finance Act, 1918.

### LINSEED OIL FOR GERMANY.

Sir Richard Cooper asked the Parliamentary Secretary to the Ministry of Munitions whether a sale of 30,000 tons of linseed oil to Germany had recently been arranged as 57*l.* a ton, the ruling price in this country at the time the sale was negotiated; whether, in consequence, the price in the United Kingdom had advanced to 80*l.* [now 104*l.*—Ed.]; and whether this arrangement was to the advantage of British industry and trade.

Mr. G. H. Roberts, who replied, said: The answer to the first part of the question is in the negative. As part of the arrangements made at the Brussels Conference for Germany to be supplied with 70,000 tons of edible fats, a sale of 25,000 tons of linseed oil was arranged at 78*l.* a ton. At that time we had a surplus stock of linseed oil in this country which was previously offered to the trade at a lower price. The rise in the price of linseed oil has been caused by neutral and enemy purchases in the countries of origin.

### PREFERENCE ON COLONIAL WINES.

Sir Watson Rutherford, on May 22, in the House of Commons, asked the Chancellor of the Exchequer whether he is aware that under the Budget proposals Colonial wines under 30 degrees are apparently to be admitted into this country at a duty of 9*d.* per gallon whilst British wine-makers, who have a very extensive trade, are charged much more by reason of the duties imposed upon the ingredients used in their manufacture, *e.g.*, upon ginger wine containing 24.8 degrees, which is a less strength than that of most Colonial wines, the duty amounts to 1*s.* 8-3-10*d.* per gallon, showing a difference of nearly 1*s.* a gallon against British wines as compared with Colonial; and whether he would be prepared to take this matter into consideration for examination and any necessary alteration in order that there should be no preference given as against the home producer.

Mr. Chamberlain replied: I am aware that some of the materials, *e.g.*, sugar and dried fruit, often used in the manufacture of British wines, are subject to taxation, but the use of taxed materials to any large extent is optional. I have no means of checking the amount of taxation in the case of the ginger wine referred to as I do not know its ingredients, but I cannot admit that the question of Preference comes in at all. The articles known as British wines are quite distinct in their nature from imported wines, and for this reason are not taxed as wines.



## SILVERTOWN EXPLOSION.

Mr. Jas. Hope, of the Ministry of Munitions, gives the following as the amounts of compensation paid to each of the firms and companies in the Silvertown area in consequence of loss and damage to property in connection with the explosion:

	£	s.	d.
Venesta, Ltd. ....	338,515	12	4
Rank, J., Ltd. ....	7,392	18	11
Wholesale Co-operative Society, Ltd. ....	3,406	6	5
United Alkali Co. ....	3,335	4	10
Odams Nitrate Phosphate Co. ....	2,675	0	0
Gas Light and Coke Co. ....	2,424	19	10
Pinchin, Johnson & Co., Ltd. ....	2,257	17	5
Watney, Coombe, Reid & Co., Ltd. ....	1,689	1	2
T. W. Ward, Ltd. ....	1,460	7	8
Forbes, Abbott & Lennard, Ltd. ....	1,000	0	0
Spencer, Chapman & Messel, Ltd. ....	30,761	16	0
Anglo-Continental Guano Works, Ltd. ....	17,672	0	0
Burt, Boulton & Haywood, Ltd. ....	10,095	15	9
South Metropolitan Electric Light and Power Co., Ltd. ....	1,600	0	0
Moore, Nettlefold & Co., Ltd. ....	1,200	0	0
Redpath, Brown & Co., Ltd. ....	2,040	0	0
Cory & Son, Ltd. ....	1,159	0	0
J. Keiller & Son, Ltd. ....	2,090	4	0
Silvertown Manure Works ....	15,332	0	0
Siemens Bros. & Co., Ltd. ....	4,936	0	0
India Rubber, Gutta Percha, and Telegraph Works Co. ....	5,808	10	4
John Knight, Ltd. ....	38,000	0	0
Harvey & Co. ....	3,643	2	6
A. Lyle & Son, Ltd. ....	39,060	0	0
Silvertown Lubricants, Ltd. ....	102,250	0	0
Richard Moreland & Son, Ltd. ....	33,230	0	0
Anglo-American Oil Co., Ltd. ....	1,095	0	0
British Alizarine Co., Ltd. ....	41,193	10	2
Chas. Turner & Sons ....	7,696	0	0
Vernon & Sons ....	300,141	0	0
South Metropolitan Gas Co. ....	20,000	0	0
Total ....	£1,043,161	7	4

A further total sum of 169,500*l.* has been paid to a large number of other factories outside the immediate area of the explosion.

On May 28 it was stated that Brunner, Mond & Co., Ltd., received 185,000*l.*, which was paid in pursuance of a contract in respect of the premises on which the explosion occurred.

## NITRATE OF SODA TRADE.

In the House of Commons, on May 28, Sir A. Williamson asked the Parliamentary Secretary to the Shipping Controller if his attention has been called to the condition of the nitrate of soda trade; if he is aware that, owing to the impossibility of obtaining tonnage, stocks amounting to over 1,000,000 tons of nitrate have accumulated in Chile, and shipments to Europe cannot be made; if, in view of the need for fertilisers and the necessity of spreading the period of shipment and arrival, licences will be given to vessels from June onwards to load this commodity; and if he is aware that before the war the annual shipments were about 3,000,000 tons, and that at least two-thirds of this quantity will be required for the world's needs during the next agricultural season, and should be shipped between July and April.

Colonel Wilson replied: I am aware generally that Chilean exporters are anxious to find a market for their production, and European countries no doubt desire to import. As the tonnage position continues to improve, their prospects of doing so will increase. It is not, however, possible to put this industry in a favoured position in regard to the employment of British tonnage, as my honourable friend suggests, by any guarantee of licences. Every application for a nitrate voyage by a British ship must be considered on its merits and in its relation to other requirements.

Sir Archibald also asked the same official if he is aware that, although a very high rate of freight has been offered to a steamer to load a cargo of nitrate of soda from Chile to Europe, a licence for the voyage was refused by his department; and whether the vessel in question has been ordered to leave Chile in ballast and to proceed to North America to load lumber.

Colonel Wilson replied: A vessel now on Government service in the Pacific has been offered release from requisition on the condition mentioned. In view of the urgency of this and other Government requirements, no other course would have been justified.

## The Royal Society.

THE first *conversazione* of the Royal Society since 1914 was held at Burlington House, Piccadilly, London, W., on May 23. A feature of these gatherings is the exhibition of scientific novelties. This year many of the exhibits have a reference to the war, as it was the needs of the country that caused many of the investigations undertaken. Major G. W. C. Kaye and Dr. Robert Knox had a collection of photographs showing the use of x-rays for revealing defects in aeroplane timber. As wood is very transparent to x-rays, the fluorescent-screen method of examination is sufficient for routine inspection.

The Director of Research of the Air Ministry showed a liquid oxygen container (50-lb. capacity) and a liquid oxygen vaporiser flask (5-litre), these being Dewar metal vacuum apparatus of British manufacture, the vaporiser flask being employed by aviators. Dr. J. S. Haldane exhibited a portable oxygen apparatus for the treatment of gas-poisoning, and Mr. Joseph Barcroft had a model of a small hospital for treating chronic cases of gas-poisoning by means of continuous inhalation of oxygen.

Mr. A. Chaston Chapman had an exhibit of "mineral yeast," which was used by Germany during the war for human food. The organism is not a true yeast—that is to say, it does not belong to the genus *Saccharomyces*. It grows freely upon nutrient solutions at a temperature of 38° to 40° C., forming a thick, greasy, crinkled film. It does not produce alcohol, and the time needed for a full crop is about thirty-six to forty-eight hours. The separated organism contains 50 to 55 per cent. of protein (N X 6.25) and about 5 per cent. of fat, expressed on the moisture-free material. It is entirely free from bitterness, and has a pleasant flavour, suggestive of that of cream cheese. As a source of carbon, glucose or molasses answer well, and the organism is capable of supplying the whole of its nitrogen needs from ammonium salts—that is to say, it does not require any organic nitrogen. In addition to the above, phosphates must be present and small quantities of potassium and magnesium salts. The conversion products of sawdust form a good pabulum for the organism, and can be used to replace glucose and molasses.

The Munitions Inventions Department had an important exhibit which summarised the research work carried out on nitrogen fixation. An apparatus was shown which was employed in the study of catalysts, several hundred preparations being tested until a catalyst comparatively inexpensive and not easily "poisoned" was found. The Department worked out a new process for the direct production of solid ammonium nitrate. The process depends upon the interaction of ammonia with air, taking place in three stages: (a) The oxidation of ammonia by atmospheric oxygen to nitric oxide; (b) the further oxidation of nitric oxide; (c) the direct formation of ammonium nitrate from ammonia, water vapour, and oxides of nitrogen. It had long been considered impossible to prepare ammonium nitrate free from nitrite by direct synthesis. When the different constituents are mixed in anything like molecular proportions, very poor yields containing much nitrite are obtained. The results of the investigation have shown that by proper control of the experimental conditions a solid dry product free from nitrite can be obtained by a comparatively simple process. This form of ammonium nitrate differs from the ordinary crystalline material and possesses a number of interesting properties. Seeing that three-quarters of the cost of synthetic ammonia consists in the preparation and purification of the high-grade hydrogen required, a very important branch of the work has been the study of modern catalytic methods for its production at a low cost and a thorough investigation of the different methods for its purification. New catalytic processes dependent on fractional combustion have been devised, and some of these have proved successful on an industrial scale. Two new developments are shown in operation: (i) A recorder for indicating automatically the percentage of carbon monoxide in a flow of hydrogen; (ii) a process for the removal of sulphuretted hydrogen as sulphur by fractional catalytic combustion.

INDIAN RESIN AND TURPENTINE.—The future prospects of the industry in the Punjab are considered exceedingly bright. During the year ended June 30, 1918, only 14,521 acres of forest were tapped, but it is estimated that with the early removal of the chief obstacles to progress tapping operations could be extended at once to about five times this area in the Punjab and North-West Frontier Province, and that the yield of resin and turpentine could be increased in similar proportion.



## Ministry of Health Bill.

THE third reading of the Ministry of Health Bill took place in the House of Lords on May 22. Clause 2, dealing with the powers and duties of the Minister of Health, was amended as follows (the parts in italics being added):

2. It shall be the duty of the Minister, in the exercise and performance of any powers and duties transferred to or conferred upon him by or in pursuance of this Act, to take all such steps as may be desirable to secure the *preparation*, effective carrying out, and co-ordination of measures conducive to the health of the people, including measures for the prevention and cure of diseases, *the avoidance of fraud in connection with alleged remedies therefor*, the treatment of physical and mental defects, the treatment and care of the blind, the initiation and direction of research, the collection, preparation, publication, and dissemination of information and statistics relating thereto, and the training of persons for health services.

The Lord Chancellor, who moved the insertion of the words in italics, said he was under no delusion that these amendments would really satisfy those who were inclined to give support to Lord Bledisloe's amendment (*C. & D.*, May 24, p. 57), but he (the Lord Chancellor) took the view that the amendment would not really have been effective for the purpose for which it was designed. Consultations have since been held with the Director and Assistant-Director of Public Prosecutions, and with many other persons of experience, with the result that it was decided that it is no use recommending that a new Minister shall undertake the prosecution of certain offences unless those offences are clearly defined by law and can be made the subject of successful prosecution. When he went into the matter more fully certain indisputable facts emerged, and the chief of them were these—that the patent-medicines fraud, in cases where frauds exist, can under our existing law only be attacked upon the charge that the defendant or the prisoner has attempted to obtain money by false pretences. Cases are readily conceivable which would justify proceedings of this kind, and in some cases those proceedings have been successfully taken. But they are very difficult prosecutions; they are not prosecutions which any trained criminal lawyer will very frequently recommend; and certainly it is no exaggeration to say that far more of these prosecutions fail than succeed. Lord Bledisloe must be well aware that the real truth is that what is required is not an admonition, statutory or otherwise, to a Minister who is not specially charged with this duty of prosecution that he should prosecute in cases where it is extremely difficult to obtain a conviction, and in which highly trained persons such as those in the Department of the Public Prosecutor very often do not recommend prosecutions because they are satisfied that convictions will not be obtained—that is not the course which would meet the difficulties that undoubtedly require some treatment. The course which ought to be adopted is undoubtedly that of strengthening our legislation. The Lord Chancellor then quoted the following recommendations of the Select Committee on Patent Medicines, and said the Committee would not have recommended that legislative changes should be made had the existing laws been adequate to deal with the cases dealt with in their recommendations:

Your Committee further recommend the following legislative enactments: (1) That every medicated wine and every proprietary remedy containing more alcohol than that required for pharmacological purposes be required to state upon the label the proportion of alcohol contained in it. (2) That the advertisement and sale (except the sale by a doctor's order) of medicines purporting the cure of the following diseases be prohibited: Cancer, consumption, lupus, deafness, diabetes, paralysis, fits, epilepsy, locomotor ataxy, Bright's disease, rupture (without operation or appliance). (3) That all advertisements of remedies for diseases arising from sexual intercourse or referring to sexual weakness be prohibited. (4) That all advertisements likely to suggest that a medicine is an abortifacient be prohibited.

All those cases ought to be dealt with; all the matters ought in a proper case to be made the subject of prosecution; and hardly any of them can be dealt with under the law as it now stands. The date of the recommendations was August 4, 1914, and the date no doubt explains why nothing has been done within the period that has intervened. Recognising that the existing law does not cover these cases, that these cases urgently require legislative treatment, and that the problem is an immediately pressing one, the Government authorised him to state that a very early attempt will be

made to carry out in a separate Bill those specific recommendations of the Committee. This course will be far more likely to give effect to the wishes of the House than the acceptance of Lord Bledisloe's amendment.

Viscount Haldane regarded the Lord Chancellor's statement very satisfactory as strengthening the Bill. He said the machinery of prosecution should be set in operation by those who represent the community—namely, the Public Prosecutor.

Lord Bledisloe said it was a great satisfaction to him that the Government had expressed themselves willing specifically to include this range of subjects within the authorised sphere of their activities under the Bill. Many of the more serious matters have yet to be dealt with, and to be dealt with by making them offences for the first time under the British law. There are certain cases not so serious in respect of which there is a *lacuna*, and offences of fraud go unpunished because it is not the business of any particular Minister to initiate prosecutions.

The amendments were agreed to.

Similar amendments were also made in Clause 10.

The Lords' amendments were considered in the House of Commons on May 26, but the Commons disagreed with the amendment that limited the number of Parliamentary Secretaries for the Minister of Health to one. Nothing was said regarding the additions to Clauses 1 and 10:

## Births.

COOPER.—At 8 The Boulevard, Weston-super-Mare, on May 24, the wife of Frank E. Cooper, chemist and druggist (late of Bath), of a daughter.

FORBES.—At 34 Leinster Terrace, Lancaster Gate, London, W. 2, on May 25, the wife of John Forbes, chemist and druggist, of a son.

GRAY.—At Arnwood, Crossgates, Leeds, on May 25, the wife of W. Mercer Gray, pharmacist, of a son.

## Marriages.

WARNER—WASSALL.—At St. Augustine's Church, Edgbaston, on May 1, by the Rev. E. W. Lumley, Harold Lumley Warner, chemist and druggist, second son of Mr. M. R. Warner, chemist and druggist, Allen Road, Wolverhampton, to Margaret Wassall, chemist and druggist, fourth daughter of the late Mr. Samuel Wassall and of Mrs. Wassall, Rofton Park Road, Edgbaston.

### Silver Wedding.

POSTLETHWAITE—FAULKNER.—At St. Luke's Church, Southampton, on May 27, 1894, Thomas Postlethwaite, Ph.C., Southsea, to Annie R. Faulkner, Southampton.

## Deaths.

DREW.—At 15 Pembroke Villas, London, W. 11, on May 26, Mr. Clifford Luxmoore Drew, M.B., M.R.C.S., barrister-at-law. Mr. Drew had been Coroner for the Western district of London since 1892, and in that capacity investigated many interesting cases of poisoning.

EVANS.—At Ashburton, on May 16, Mr. Daniel Ogilvie Evans, chemist and druggist, aged seventy-seven.

NORTON.—At Stow-on-the-Wold, on May 17, after a brief illness, Mr. Edward Thomas Norton, chemist and druggist, aged fifty-three. Mr. Norton was much respected in Stow, where he had been in business for upwards of twenty-five years. He had served a term of office as Chairman of the Stow Urban District Council, and was a member of several other public bodies. In politics he was active in the Conservative interest; he was also well known in Masonic circles. A widow and two daughters survive him. The funeral took place at Stow-on-the-Wold Parish Church on May 20, a large congregation assembling to pay the last tribute.

PICKUP.—At 39 Azalea Road, Blackburn, Lancs, on May 26, suddenly, Anne, widow of the late Mr. William Pickup, chemist and druggist, aged sixty-eight. Mr. Pickup passed away—also suddenly—last November (*C. & D.*, 1918, p. 930).



## Personalities.

MR. G. F. H. BARTLETT, chemist and druggist, Battersea, London, S.W., has disposed of all his pharmacies and has retired from the drug trade.

THE KING conferred the honour of knighthood on Mr. William S. Glyn-Jones at Buckingham Palace on May 19, in accordance with the announcement made recently.

SIR ALBERT STANLEY, M.P., has, on account of ill-health, tendered his resignation as President of the Board of Trade, and Sir Auckland Geddes, K.C.B., M.P., has been appointed as his successor.

LIEUTENANT J. T. GUY MURISON, R.A.F., has returned, on demobilisation, to A. Wander, Ltd., manufacturing chemists, Cowcross Street, London, E.C., and is representing them in Ireland.

MR. HAROLD KING, M.Sc., of the Wellcome Chemical Research Laboratories, has been appointed by the Medical Research Committee to the post of organic chemist in the Department of Biochemistry and Pharmacology.

LIEUTENANT VICTOR W. STANLEY, who has been on active service in France and Italy during the war, has resumed his work as the Yorkshire and East Coast representative of A. Wander, Ltd., manufacturing chemists, Cowcross Street, London, E.C.

WORSHIPFUL BROTHER EDMUND JONES, chemist and druggist, Hanley, P.M. 418, P.P.A.G.P., Provincial Grand Lodge of Staffordshire, was on May 27 appointed Provincial Grand Senior Warden of the Lodge for the ensuing year. Brother Edmund Jones passed the chair of the Lodge twenty-five years ago.

MR. VICTOR E. MARSDEN, brother of Mr. Prosper H. Marsden, Ph.C., Liverpool, contributes a striking article to the "Morning Post" of May 26 on the plight of the British in Russia. It will be remembered that last autumn Mr. V. E. Marsden was himself in the hands of the Bolsheviks (*C. & D.*, 1918, p. 808).

MR. T. M. LIDDLE, chemist and druggist, who is now occupying an important administrative post with Boots, Ltd., at Nottingham, was on May 21 presented at Newcastle-on-Tyne with a rosewood clock bearing an inscription. The presentation was made on behalf of the management and staff of Boots, Ltd.'s, Northern area (in which Mr. Liddle has been the acting district manager) by Mr. McColl, South Shields, and among those present was Mr. John Boot.

MR. W. BATES (W. Bates & Co., Ltd., chemists, Southampton), who has lately undergone a serious operation, is reported as progressing favourably. Mr. Bates has, on medical grounds, resigned the office of Chairman of the local Pharmaceutical Committee, and will also cease to represent chemists on the Insurance Committee. This is a blow to his fellow-pharmacists, to whom he greatly endeared himself by his genial and tactful methods during a three years' presidency of the Southampton Pharmacists' Association.

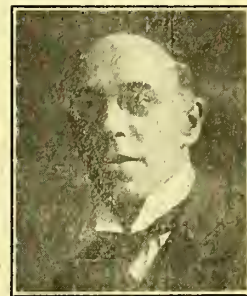
MR. F. WILLANS, who has recently resigned from the staff of Boots Pure Drug Co., Ltd., was, on May 19, presented at Newcastle-on-Tyne with a testimonial in the form of a silver cigar-box, to which was added a silver casket for his wife. Mr. Willans was for several years a district manager to Inmans, Ltd., whose shops in the Newcastle area were some time ago taken over by Boots, Ltd. The presentation was made on behalf of the local warehouse and retail staffs by Mr. Thwaites, Whitley Bay, and several other speakers added their tributes to Mr. Willans.

MR. HUGO WOLFF has resumed the publication of "Square Topics," the last number, dated May 21, dealing with the April and May council meetings. The happy-go-lucky methods which prevail at the Pharmaceutical Society's headquarters are denounced, the example given being the way the annual statement of accounts was handled. Mr. Wolff refers to the draft by-law which is to admit apothecaries' assistants to the Register of Chemists and Druggists, and explains that he voted for the first reading of the by-law because of information received, which "can only be disclosed confidentially." Those who want to know what this is are invited to write to Mr. Wolff.

MR. BENSON HARRIES, chemist and druggist, who has been elected President of the South Wales and Monmouthshire Pharmacists' Local Associations Federation, has had a lengthy experience in pharmaceutical affairs, having been the first secretary and treasurer of the Newport (Mon.) Chemists' Association on its inception in 1897. He has since been President of this Association, and for the past seven years has been Secretary of the Chemists' Dental Society. During the early part of the war he acted on

the recruiting and National Service local committees. He is a member of the Newport Chamber of Trade Management Committee, and finds time for other public work. A portrait of Mr. Benson Harries appeared in the *C. & D.*, I., 1912, p. 947.

MR. ALFRED HERSHBERG, F.S.M.C., F.I.O., chemist and druggist, who has just been elected President of the Manchester Pharmaceutical Association, is the proprietor of a successful business at 77 Cheetham Hill Road. Mr. Hershberg began his career in pharmacy with a four years' apprenticeship to Baillie McKinnon, Dundee. He next went to Edinburgh, where he was a junior assistant to Mr. H. C. Baildon, and also had charge of the manufacture of galenicals for the outdoor department of the Consumption Hospital and of its dispensing. On the completion of his studies with Mr. W. B. Cowie, Ph.C. (Central School of Pharmacy, Edinburgh), he passed the Qualifying examination in 1900. Going southwards to gain further experience, he acted as a branch manager to Timothy White Co., Ltd., for three years, and eventually took over his present business. For the past four years Mr. Hershberg, who is a Freeman of the City of London, has been Honorary Secretary of the National Association of Opticians. In 1916 he became Secretary of the Manchester Pharmaceutical Committee, and in that capacity he has made himself exceedingly popular among panel chemists, both as a forcible speaker and as an untiring worker.



MR. A. HERSHBERG.

## Business Changes.

TAYLORS' DRUG CO., LTD., have opened a new branch at 128 Fishergate, Preston, Lancs.

MR. E. C. LONGMATE, chemist and druggist, Kessingland, has disposed of his business to Mr. L. Davies.

MR. WILLIAM CLUGSTONE, chemist and druggist, has taken over the business at Ash, Canterbury, lately carried on by Mr. McKilligin.

MR. J. W. ILLSLEY, son of Mr. T. B. Illsley, chemist and druggist, Barnard Castle, has opened a business at 55 Pasture Road, Goolo.

MR. W. H. NICOLL, chemist and druggist, has purchased the business of Mr. S. Carlton Farrer, chemist and druggist, 23 Main Street, Keswick.

GEORGE SCOTT & SON (LONDON), LTD., chemical-plant manufacturers, have removed their works from Christian Street, E., to Bradfield Road, Silvertown, E. 16.

R. RIOS & Co., druggists' sundriesmen and exporters, 231 Regent Street, London, W. 1, have removed, owing to increase of business, to 33 St. Mary-at-Hill, E.C. 3.

MR. J. COULTHURST, chemist and druggist, late of Ash, Canterbury, has acquired the business of Mr. W. D. Fewtrell, 2 Newman's Terrace, Old Road, Clacton-on-Sea.

## Wills.

MR. ROBERT WHITEHEAD, J.P., manufacturing chemist, Linden Road, Eastbury, Manchester, who died on April 21, left property of the value of 6,700*l.* 2*s.* 1*d.*, with net personalty 5,068*l.* 11*s.* 11*d.*

MR. THOMAS GILBERT BATTING, chemist and druggist, 16 Calverley Road, Tunbridge Wells, who died on September 24, left estate valued at 1,725*l.* 15*s.* 10*d.* gross, with net personalty 1,427*l.* 15*s.*

MR. SAMUEL RALPH ATKINS, J.P., Ph.C. The Mount, Salisbury, who died on March 28, left 21,198*l.* 15*s.*, with net personalty 19,995*l.* 4*s.* 3*d.* The will is proved by William Ralph Atkins, Castle Street, Salisbury, son. The testator gives 100*l.* to his grandson, William Frank; 50*l.* to his niece, Margaret Truett; and the residue to his son.

MR. THOMAS GUEST, J.P., 34 The Downs, Altrincham, Cheshire, chairman of Thomas Guest & Co., Ltd., manufacturing chemists, Ancoats, who died on March 15, left 18,165*l.* 10*s.* 6*d.* The testator gives 250*l.* to Ancoats Hospital, legacies to persons in the employ of his company, and the ultimate residue to his daughter.



## Trade Notes.

**LUCE'S JERSEY EAU DE COLOGNE.**—The revised prices for this British Eau de Cologne are given in the advertisement in this issue of J. C. Gambles & Co., 46 Farringdon Street, London, E.C. 4.

**FRAME FOOD JELLY.**—The Frame Food Co., Standen Road, Smithfields, London, S.W. 18, has resumed the manufacture of Frame Food jelly, which can be obtained through the wholesale houses or direct.

**PHOTOGRAPHIC PAPERS.**—Kentmere, Ltd., Staveley, Westmorland, manufacturers of photographic papers and the "Tudor" glazing solution, have established a wholesale supply depot at Mr. Arthur J. C. Lewis's photographic works, New Barnet, Herts.

**SILVER LEAF.**—Dispensing amenities, such as silvering and gilding pills, which have had to be suspended during the latter stages of the war, may now be resumed. E. Winter & Co., Ltd., 64 Cheapside, London, E.C. 2, are now able to supply gold and silver leaf to the wholesale trade.

**"CIBA" AGENCY.**—On and after June 1, the Clayton Aniline Co., Ltd., pharmaceutical department, 68½ Upper Thames Street, London, E.C. 4, will take over the agency for the "Ciba" brand pharmaceutical products hitherto carried on by the Saccharin Corporation, Ltd., 36/37 Queen Street, London, E.C. 4.

**CUTEX PREPARATIONS.**—Henry C. Quelch & Co., Ludgate Square, London, E.C. 4, the agents for the Cutex manicure specialities of the Northern Warren Co., Montreal and New York, announce that an advertising campaign to the general public is about to commence. The wholesale and retail terms of the Cutex goods are given in an advertisement in this issue.

**ALTERED PRICES.**—S. R. Van Duzer & Son, 114/116 Southampton Row, London, W.C. 1, announce in this issue that the prices of the following specialities have been advanced: Mrs. S. A. Allen's World's Hair Restorer and Zyl-Balsamum; Bridal Bouquet Bloom; Melrose hair restorer and Odaline. The revised prices (retail and wholesale) are given in the advertisement.

**STOCKTAKING.**—Allen & Hanburys, Ltd., inform us that their factories and warehouses will be closed for stocktaking on June 25, 26, and 27. During this period small urgent orders can be executed from their City branch at Plough Court, and from their West End establishment at Vere Street. Allen & Hanburys, Ltd., request that, as far as possible, orders be sent during the week prior to these dates.

**"EMPIRE" EAU DE COLOGNE.**—The wholesale prices of the "Empire" Eau de Cologne, referred to last week in the advertisement of the Empire Perfumery Co., Oldbury, should now be as follows:

1 oz. ...	14s. 4d. per doz.	8 oz. ...	84s. 8d. per doz.
2 oz. ...	28s.	1½ pt. wicker,	82s. 8d. "
4 oz. ...	50s.	1½ pt. "	144s. "
1-qt. wicker, 260s. per doz.			

**BRITISH PERMANGANATE.**—Some time ago a reference was made in the C. & D. to the successful manufacture in this country of potassium permanganate by the British Cyanides Co., Ltd., 49 Queen Victoria Street, London, E.C. 4. We have since submitted to chemical analysis a sample of this British product with a view of determining its suitability for pharmaceutical purposes. The following table shows the results obtained, and the B.P. requirements, an analysis of a pre-war sample being appended for comparison:

B.P. Requirements	British Cyanides Co., Ltd.	Pre-war sample
KMnO <sub>4</sub> "not less than 99 per cent."	99.17	99.56
Nitrates } "no characteristic reactions"	trace	absent
Sodium }	mere trace	absent

Neither of the samples gave any reactions when tested for lead, arsenic, iron, ammonium, chlorides, and sulphates, and they were both neutral to litmus. The British sample also conformed to the B.P. physical test, being in "dark purple, slender, prismatic, iridescent crystals." We congratulate the British Cyanides Co., Ltd., on having successfully overcome the difficulties involved in the manufacture of potassium permanganate on a commercial scale. That this has been accomplished at a time when skilled labour was scarce and it was not easy to get chemical plant constructed is all the more to the credit of the company. We hope that the manufacture of potassium permanganate will now be one of the permanent industries of this country.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," May 7, 1919.)

- "SPLENDOR" under picture of sun and palm tree; for perfumery, etc. (48). By Mann & Cook, 7 St. Michael's Alley, Cornhill, London, E.C. 3. 388,197. (Associated.)
- "MARIAGE DES FLEURS"; for perfumery, etc. (48). By H. Bronnley & Co., Ltd., Warple Way, Uxbridge Road, London, W. 3. 388,980.
- "TECTUM"; for hair preparations (48). By I. J. Williams, 17 Prior Street, Port Talbot, Glam. 389,226.
- "VELTEN"; for a complexion cream (48). By Lucie A. McConnell, Fleetwood Street, Belfast. 389,270.
- "STELLUM"; for hair dye (48). By Millais & Co., 29-30 Cock Lane, London, E.C. 1. 389,292.
- "CELL-U-RYL"; for brushes, combs, etc. (50). By W. E. Moser, Western Road, Merton Abbey, Surrey. 388,223.
- "PILOT BRAND"; for brushes (50). By I. Woolf, 168 Pentonville Road, King's Cross, London, N. 1. 389,276.

(From "The Trade-marks Journal," May 14, 1919.)

- "MERITOL"; for photographic chemicals (1). By Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, E.C. 2. 389,170.
- "MILWELD"; for chemicals (2). By C. S. Milne & Co., Ltd., Octavius Street, Deptford, S.E. 8. 389,620.
- "SANOID"; for chemicals (2). "SANOID BRAND LINIMENT"; for liniment and mustard plaster substitutes (3). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury. 387,424/5. (Associated.)
- "CASSICAN"; for disinfectants (2). By The Casson Compositions Co., Ltd., 11 Craven Hill, Paddington, W. 2. 387,527. (Associated.)
- "SCORO"; for a disinfectant soap (2). By Justice, Scaife & Co., 5 Adol Lane, London, E.C. 3. 388,555.
- "EXTOL"; for all goods (2). By C. M'Cardell & Co., Rodney Street Works, Oldham Road, Manchester. 388,663.
- "NATIONAL" CARBOLIC with device for steering wheels and rose; for soap (2) and (3). By W. Gossage & Sons, Ltd., Widnes. 389,353/4. (Associated.)
- "UNCLE JOE'S CHEST TABLETS" on device of man holding tablet; for chest tablets (3). By A. Parkes, 75 Crosswells Road, Langley, Birmingham. 386,929.
- "COLD CREAM" over facsimile signature "Sybil Hilliard"; for cold cream (3). By Miss Hilliard, 24a Albemarle Street, London, W. 1. 387,494.
- "VEL-FIN"; for plasters (3). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1. 388,687. (Associated.)
- "VELVIA"; for goods (3). By Maison Grosse, Ltd., 2 Bold Place, Liverpool. 387,705.
- "BOBBIE DAZZLER BRAND OINTMENT"; for ointment, etc. (3). By H. Ogden, 15 Westbourne Grove, Reddish, Manchester. 388,664.
- "J. E. WATSON" facsimile signature; for all goods (3). By J. E. Watson, 63 Ilford Street, Clayton, Lancs. 389,101.
- "JOHN BOND'S CRYSTAL PALACE NON-HEAT MARKING INK" with device; for marking ink (39). By John Bond (London), Ltd., 75 Southgate Road, London, N. 1. 388,854. (Associated.)
- "RADIATIVE BRAND OINTMENT" with device of rays; for ointments (3). By W. J. M. Martin, 25a Whiteladies Road, Bristol. 389,385.

## Information Department.

### INFORMATION WANTED.

- 168/54. Davies' spring arch support; makers
- 168/55. "Arobee" formalin dental cream
- 168/48. Elixir hæmoglobin
- 162/30. "Zotos"
- 167/31. "Electric" soap
- 156/8. "Nazene"
- 165/10. "Zolo" electric hand massage machine
- 168/48. "Kresocol"; supply
- 165/11. Purple flanged pill boxes; actual makers
- 162/55. John's pulmonol liniment
- 166/14. Dent's toothache gum; suppliers
- 161/38. Lavatory covers (medicated paper)

### INFORMATION SUPPLIED.

- "Absalom" for the hair, 160/72
- Ammonium sulphate, 158/44 (Belgian inquiry)
- Aniline dyes, 160/47
- Drying machinery, 123/46
- "Dy-o-la" dyes, 65/5
- Edge runner mills, 70/38
- Electrical batteries, 133/38
- Gum arabic, 114/51
- Gum tragacanth, 122/54
- Instep supports, 90/20
- Todovagen, 82/71
- Lesquandieu's preparations, 103/66
- "Lindosse" liniment, 136/4
- "Malacaine" cream, 113/23
- Martin's apol and steel pills, 74/58
- Martin's hair dye, 137/45
- "Mendine," 131/22
- Menthol cones, 59/41 and 140/35
- Milk sterilisers, 152/6
- Minard's liniment, 78/26
- Mixers and sifters, 71/56 and 111/22
- Morse's Indian root pills, 160/70
- Murray's gout specific, 78/45
- Newton Mason's cough linctus, 125/74 and 160/75
- Nigrosine (French inquiry), 121/67
- Nitric acid, 107/57
- Pill-counting machinery, 114/50
- Pinard's Ed. perfumes, 101/13
- "Pincolum," 60/53
- Piver's preparations, 97/57
- Poroplastic felt, 98/10
- Potassium carbonate (Belgian inquiry), 158/44
- "Sugarlene," 51/13



## Observations and Reflections.

By Xrayser II.

### The Presidential Address

at the seventy-eighth general meeting was, I should say, the most colourless, not to say the weakest, ever delivered on such an occasion. This was not for lack of topics, but for want of knowing what to say about them. Mr. Currie glanced at half-a-dozen or so, any one of which deserved attention, but he did little more. The only remark of any moment that he ventured to make was on a non-controversial subject, that of the conduct of the "Journal," and he seemed to fear that his very mild proposal to make the organ of the Society worth reading was rather "revolutionary." Maybe so. The one topic of overwhelming importance—the new by-law—he dismissed with the two remarks that the Council had no option in the matter, and that it had made the best bargain possible under the conditions. We have but his word for either assertion. The Council that thought mistakenly that the new regulation was permissive may be mistaken in thinking that we cannot escape it. And, in heaven's name, what is the "bargain" we have made? Apparently some quite recent one is meant.

### The Meeting Insisted,

in spite of Mr. Higgs, in discussing the by-law, and not a single voice but his was raised in its favour. On the contrary, both it and the action of the Council in proposing it were received with a chorus of indignant protest, couched in terms which make me wonder at my own moderation, but embodying everything that I have said against it. The correspondence columns of the "Journal," like your own, are also full of equally indignant protest, though as long as possible these were omitted from our official organ. At the meeting itself a storm was apparently only averted by a promise to explain the matter in private afterwards. Why not in public? A public general meeting will ultimately decide the fate of the by-law; the fact that it can reject it makes the keeping back of the alleged reason why it would be ruinous to do so inexplicable. Is it to be sprung upon us when it is too late to consider it? The Society as a whole will not accept the Council's opinion on a matter over which it has so disastrously blundered in the past; why are we not openly given the means of forming a just one for ourselves? On the face of it the clause of the Act of 1908 relating to new by-laws is clearly permissive: in what way, then, is the Council bound "in honour" to pass them? Has there been some secret agreement with the Privy Council that binds us?

### The Question

of Trade Board *v.* Industrial Council continues to agitate the pharmaceutical mind, but I am inclined to think that we are disquieting ourselves in vain. In the first place it is highly probable that the Government will follow its own course, whatever our choice may be, and in the second, I doubt whether the alternative is of such vital importance as our leaders would make it appear. I prefer an Industrial Council, as most of us do, but the heavens will not fall if we have to accept a Trade Board. The objections to the latter are to some extent more sentimental than real, though there are real objections not far to seek. The contention that we are not mere traders and ought not to be treated as such is met by the fact, which was mentioned the other week, that we are most of us mainly traders, indistinguishable as regards the bulk of our business from the grocer and his kind, and it is very much like snobbery to object to being placed in the same category. I hope nobody will suppose that I am arguing for the acceptance of a Trade Board if the choice is allowed us, but we shall not escape it by ill-founded distinctions between ourselves and our neighbours, nor is it worth while to fret ourselves in a matter of such comparative unimportance. We have other problems to face which are of much more serious import; let us not be diverted from addressing ourselves to these by any false scent, however strong.

### The Trade in Patent Medicines

will evidently before long be much more strictly regulated than it has hitherto been in this country, and both proprietors and dealers may expect such a change of conditions as demands their serious consideration. Its extent cannot yet be foreseen, but one thing is certain: restrictions are contemplated which, if imposed, will not only very materially affect our interests, adversely of course, but will curtail the liberty of the subject in relation to habits ingrained in human nature, and discourage if they do not entirely prevent practices which in the past have, in spite of avoidable abuses, been productive of much good both in the alleviation of minor ailments and the discovery of useful remedies. There is no art or science that has not its amateurs, or has not owed much to them, and the art (or science) of medicine is no exception. If it is to be rigidly confined to the professional practitioner it will itself suffer, and the public for whose benefit it exists will be the poorer, not only because of the direct loss of much "first aid" in medicine, but through the suppression of the medical instinct in the non-professional classes from which, after all, the profession is fed. That

### Some Further Control

of this trade is desirable may be admitted. Like all trades, it has its black sheep, and perhaps it is peculiarly attractive to the trader on human credulity, but that is no reason why it should be suppressed, and suppression is what extremists are frankly aiming at. Chemists as a body would welcome any measure honestly aimed at abuses only, but we must fight tooth and nail against any attempt to deprive us of a right we do but share with everybody (though we happen to profit more directly by it) to suggest and recommend remedies, whether our own or another's, for those simple disorders which form the borderland between perfect health and actual disease. The habit of self-medication is, as I have said, inherent in human nature, and within reasonable limits it is as beneficial as it is natural. It is here that the so-called and much maligned "counter prescriber" comes in. He and the patent medicine man do not stand quite on all fours, but it will be found difficult entirely to separate them in legislation. What we should contend for, both with the Government and the public, is the impossibility, without gross injustice and much practical loss, of suppressing "patents," and the consequent desirability of keeping the trade in them in the hands of those who are competent to handle them with the minimum of danger.

### To Charge for Dispensing by Doses

is, say some of my critics, "unbusinesslike" and "unfair," but we habitually charge according to the number of doses in other cases. We give, for example, so many pills for a shilling, without regarding too curiously the relative cost of this pill and that, and the same principle obtains in our charges for many other articles. Why should it not do so where prescriptions are concerned? I have never said that cost can be entirely disregarded, but I do maintain that to estimate it as minutely as Mr. Allen would do is neither worth while nor desirable in principle. I advocate, in fact, a "compromise" between cost and size, applying in all cases the fee principle as an invariable charge. Mr. Hogg virtually agrees with me when he proposes his "compromise" between my proposal and Mr. Allen's; he does but give way to Mr. Allen a little further than I would.

### I Raised the Question

of the overcharged package years ago, but nobody took it up. It is an imposition, nothing less. Last week I wanted a shallow box to force some flower-seeds in. The only one I could find in the warehouse was about 14 in. by 8, and some 10 deep. It was marked 7d. I got one from a general dealer a few doors off for 2d., which was twice its size every way, and was therefore twice as useful after providing my house-keeper with nearly twopennyworth of "kindling."



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## Editorial Articles.

### Applied Colloid Chemistry.

THE British Association for the Advancement of Science published in 1917 the first Report of a Committee which was formed with the object of compiling information regarding the advances which have been made in capillary and colloid chemistry with special reference to industrial processes. The first Report contained papers on the viscosity of colloids, the colloid chemistry of tanning, dyeing, the fermentation industries, rubber, starch, albumen, gums, cements, nitro-cellulose explosives, and celluloid, each paper being by a specialist in the particular subject. Of the articles mentioned the most interesting pharmaceutically is one by Mr. H. B. Stocks, F.I.C., on "Colloid Chemistry of Starch, Gums, Hemicelluloses,



Albumin, Casein, Gluten, and Gelatin," because of the fact that it deals with the gums and mucilages and other emulsifying agents employed in pharmaceutical preparations. The second Report by the same Committee, covering the year 1918, has just been published by the Department of Scientific and Industrial Research (Stationery Office, 1s. 6d.), as the British Association, owing to the war, was unable to incur the financial risk of the project. Mr. E. Hatschek contributes a paper on Emulsions, using the term "emulsion" "to denote a disperse system, both phases of which, considered in bulk and at ordinary temperature, are liquid," and refers incidentally to medicinal emulsions and cresol emulsions. The contribution dealing with colloid problems in dairy chemistry contains a good deal of information which is useful and not generally known. Dealing with rennet coagulation of milk it is stated that rennet can clot 400,000 times its weight of casein in milk, but it is a most remarkable thing that shaking the rennet renders it inactive. Rennet acts best at 41° C., and the curd is then very firm, a point which should be noted on the labels of essence of rennet. Rennet is rendered inactive by prolonged storage, by shaking, by heating to temperatures over 60° C., and by addition of alkalis. When milk is heated the action of rennet is delayed, owing to the precipitation of calcium, but if calcium chloride be added the coagulation occurs in the normal way. Although boiled milk is not curdled by rennet a coagulation occurs on the addition of small amounts of calcium chloride, due probably to the interaction of the calcium salt with the alkali phosphate and citrate in the milk, thus reducing the content of these and rendering the casein less soluble. The same article mentions also the advantages of adding gelatin to ice-cream, the effect being to produce a compound with a rich, mellow, velvety texture. Gum tragacanth produces a hard ice-cream but softer than when gelatin is used; but such a produce is far inferior to gelatin ice-cream of any composition. Some manufacturers use starch as the agent to "smooth" their ice-cream, but although a better product than normal (plain) cream results, the texture is much more grainy than the ice-creams containing gelatin or gum. Perhaps the most interesting article in the series is one by Mr. Alfred B. Searle on the administration of colloids in disease. He points out that modern methods of treatment tend to follow four lines of development:

1. The use of purer forms of well-known remedies, such as quinine hydrobromide instead of decoction of cinchona-bark, or morphine instead of tincture of opium.
2. The administration of the elements or salts which are temporarily deficient.
3. The use of substances having a selective action on the parasites which have invaded the body.
4. The increased production in the serum of the patient of the protective or curative substances which would be produced in insufficient quantities by the body under normal conditions.

The first group results from the investigation of the chemical composition of drugs, isolating the pure alkaloid or other essential ingredient from the mixture ordinarily used or by preparing the drug synthetically. There are obvious limitations to this procedure, and there are strong reasons for supposing that only a portion of even the purest drugs are required by the organism. Remedies in the second group are relatively simple when once the most suitable form of administration has been learned. The chief difficulty is to obtain them in a form in which the elements will react in the desired manner so as to form the correct chemical compound required by the tissues. Dubard finds, for example, that a deficiency of magnesia in the system facilitates the development of cancer, but he has been unable to retain the magnesia in the system unless it is administered in such large doses (12 grams daily) that the excess of it produces undesirable effects. An element in which the body is deficient must eventually be reduced either to its ionic state or to a form of combination which is equivalent to it. In many cases substances in a colloidal state react with an activity which is otherwise unobtainable. This may, in part, be due to the fact that when complete dissociation into ions is required the solutions must usually be exceedingly

dilute, whereas colloidal solutions may be much stronger. Hence the use of colloids has proved invaluable as a means of making good the deficiency in certain elements, from which some tissues suffer. The essentially colloidal character of the recognised remedies for disease was for long overlooked, but the fact is now realised that before a drug can exert its full therapeutic action it must be converted into the colloidal state. One of the earliest to appreciate the importance of using therapeutic agents in a colloidal state was the late Henry Crookes, who in 1911, after making protracted experiments, found a means of producing stable preparations of colloidal silver, copper, iron, and mercury which are not precipitated by saline solutions. These are known as "collosols," and the series now includes stable colloidal solutions of sulphur, iodine, manganese, and some of the alkaloids, all of which are employed in medicine with wholly satisfactory results. The difference between the action of many medicines and the corresponding colloidal solutions is remarkable. Thus a 2 per cent. solution of iodine in either alcohol or potassium iodide when administered internally is very liable to give rise to iodism. This is avoided by using a colloidal solution of iodine of the same or even greater concentration. Mr. Searle lays great stress upon the proper preparation of colloidal medicinal solutions, as improperly made these become inactive on keeping. The stability of colloidal solutions depends more on the mode of preparation than on the presence of stabilising agents. Dried hydrosols which are intended to form colloidal solutions on being added to water are not always satisfactory. A good deal of information is given as to the uses of colloidal remedies, some of the points being as follows: Colloidal manganese is particularly indicated in the treatment of staphylococcal infections such as boils; colloidal silver has now largely replaced silver nitrate in ophthalmology, as its use is free from pain and its action more direct; colloidal mercury has cured persistently relapsing malaria in a few days; the administration of colloidal iron is a simple means of increasing the amount of the protein compound in the serum of the blood; colloid palladium oxide has been successfully applied in the treatment of obesity by injecting it hypodermically into the fatty areas; colloidal iodine oil applied to bad chilblains causes every trace of the condition to disappear in four days. The production of colloidal solutions which are sufficiently stable to be used in medicine is largely a secret, few of the processes having been protected by Letters Patent, and none has been taken out by the manufacturers of commercially available colloids used in medicine in this country.

### German Chemical-trade Trickery.

THE Report of the Alien Property Custodian on the chemical industry of the United States gives a complete review of the conditions which made it necessary for the Government to take possession of German-owned companies and stop the transfer of their huge profits to the interests in Germany by which they were controlled. It is stated that on February 15, 1919, practically all known enemy alien property had been seized, to a total value of approximately \$700,000,000. The Custodian throws a flood of light upon the corrupt methods employed to ruin American industries by selling below cost, even at heavy loss, to German companies, and to win American trade by chicanery and bribery. Taking the chemical industry it was found that it was saturated through and through with German influence and espionage. The country was flooded with German chemists. A few examples of German methods of doing business may be given:

With regard to the dumping of chemical products into America, the instance is cited of an American company, the Benzol Products Co., formed to manufacture aniline oil on a large scale. The price was 11½c., but as soon as production was well started the German exporters began to cut prices. One of the company's most important customers refused an advantageous contract at 8½c., saying that he had assurance from the Germans that whatever the price the Benzol Products Co. made would be met and bettered by them. Another example shows that while salicylic acid



was selling in Germany at from 26½c. to 30½c., German houses were selling it in the U.S.A., after paying a duty of 5 per cent., at 25c., or from 6c. to 10c. below what they were getting at home. Eventually the manufacture of dyes in Germany was concentrated in six great firms. These and other firms formed themselves into cartels, which were aided and guided by the German Government. In order to circumvent tariff obstacles in other countries materials were to be produced outside Germany by common action and at common expense. Obstacles, legitimate and illegitimate, were placed in the way of the establishment of an organised American industry, and there was also organised propaganda intended to discourage American attempts.

The efforts to camouflage the ownership of these German companies are freely exposed by the Custodian; in some cases camouflage was subtle and effective, as may be gathered from the following example of Bayer & Co., Inc.:

Bayer had bought up the firm of Hudson River Aniline Works, who made "aspirin," on which enormous profits had been made. Practically the entire management was in the hands of German subjects. The leading spirit, Dr. Hugo Schweitzer, was amongst the most ardent propagandists and German agents in the U.S.A. The plant represented the expenditure of many hundred thousand dollars. To conceal the profits for the purpose of taxation another company was organised known as the Synthetic Patents Co., Inc., all the stock of which was also held by the German concern, to which were conveyed all the American patents of the German house, approximately 1,200 in number. By contracts between Bayer & Co., Inc., and Synthetic Patents Co., Inc., almost all of the profits of the former were diverted to the latter in the form of rentals and royalties. The investigations also covered a number of less legitimate evasions of the tax law.

Many other similar instances are adduced, including a direct attempt by the German Government to prevent the manufacture of toluol for the benefit of the Allies. The working of the organisation known as "The Chemical Exchange Association" is referred to at length in the Report. Briefly, this Association was to corner the supply of phenol in the United States, and the undertaking was apparently initiated by the financial adviser of the German Government in the U.S.A. in direct collaboration with von Bernstorff. As a fact, the chemical industry was a natural centre for espionage long before America entered the war, and the relations between the German Government and the great German chemical houses were so close that representatives of the industry were naturally almost direct representatives of the Government, and their work in the United States gave them unequalled opportunities for examining the chemical industries from within. The above is merely an outline of Germany's grip on the chemical and dye market, but it is satisfactory to know that all these Hun concerns are now controlled, liquidated, or Americanised. It is to be hoped that the Board of Trade in this country will in a similar way publish a report of the winding-up of enemy firms, but our methods are less open or more secretive than those of America, although we may expect some bald official statement when the enemy has been forgotten.

### Turning the Tables.

A COMPANY has been incorporated in the United States under the name of the Chemical Foundation, the object of which is to purchase 4,500 American patents which belonged to Germans at the outbreak of war, but were afterwards taken possession of by the Alien Property Custodian. The shares in the company have been widely distributed among the chemical manufacturers, and arrangements can readily be made for licences to any manufacturer to use the patented processes belonging to the Chemical Foundation. An interesting part of the scheme is the allocation of a special fund to prosecute any persons importing German chemicals made by the patented processes now belonging to the American company. As is well known, the Germans were in the habit of obtaining patents for chemical products in various countries, not with the object of manufacturing the chemicals, but with the idea of preventing the manufacture of the products in such countries as the United States. Now the tables are turned against the

clever Teuton, and the very patents which were taken out to prevent native manufacture will be employed to keep out German imports.

### Absorptive Power of Mineral Oil.

THE use of mineral oil in place of vegetable oil in the manufacture of camphorated oil has often been objected to on the ground that mineral oil is only absorbed by the skin with difficulty, whereas any medicament dissolved in a vegetable oil was understood to be easily taken up by the skin. Mr. W. Johnston, Ph.C., secretary of the Chemists' Defence Association, who has looked into the question in connection with the Rushton case (*C. & D.*, May 10, p. 56), finds that there is very little difference between the action of oils from the mineral and vegetable kingdoms. In the "Anti-Cutting Record" Mr. Johnston records his experiences as follows:

For a year and a-half I have suffered from synovitis in one knee, and by medical orders have frequently massaged the affected part with camphorated oil. I am therefore familiar with the amounts and time required for "rubbing to dryness," and I experimented with five minims of Mr. Rushton's oil on one knee and five minims of B.P. oil on the other—the area in each case being alike. The B.P. oil took four and a-half minutes to penetrate and Mr. Rushton's five minutes. I varied that test another day by measuring ten minims of each and rubbing in so much as would enter, again using exactly similar areas. In each case five minims was the quantity absorbed, and the time also was almost identical—very slightly longer with the Rushton oil. I have not tried camphorated oil made with all mineral oil. The inferences to be drawn from the above tests seem to me to be as follows:

(1) Liquid paraffin is as suitable for camphorated oil as vegetable oil, if time is no object to the user.

(2) What may conveniently be called in future "Rushton Oil" is as good as B.P. camphorated oil, from both the time and penetration points of view.

This question was not a crucial point in the case referred to, but it is useful to have misconceptions as to the absorbability of various oils removed.

### Currie Certificates.

THE relaxation of the regulations for the admission of students of the Pharmaceutical Society was made with the laudable object of quickly filling up the ranks after the wastage of war. An applicant who is unable to produce a certificate in conformity with the regulations submits particulars of his education, and if the Council is satisfied that the applicant possesses a standard of preliminary knowledge to justify the belief that he would be competent after training to enter for the Qualifying examination the President issues a certificate. The number of certificates so issued has reached a large total; rumour states that it will soon run into four figures. It is an excellent way of inducing people to enter pharmacy, of assisting young men who have had their careers affected by the war, and of filling the Society's depleted coffers, but we think that the utmost care should be taken in this matter by the Selection Committee. We heard this week about a young girl who has received a certificate who originally went as a domestic help and also made herself useful in the pharmacy. We cannot see that the war has affected young women in the same way as young men who have had to take on the burden of military service. Except in the case of widows of chemists killed in the war, we hardly think that this preliminary regulation is intended to apply to women.

**SPANISH ERGOT.**—The United States Consul at Vigo states that the 1918 yield of Spanish ergot did not exceed five or six tons, mostly of poor quality. That of 1917 was 30 tons, of which very little is left of superior quality. Prices have almost doubled in consequence.

WE HAVE RECEIVED the first number of a new bi-monthly, "L'Esportatore e L'Importatore Italiano," which is published in four languages (Italian, English, French, and Spanish), for the purpose of promoting Italian trade among the Allied and neutral nations. The review, which is also the leading organ of the Importers' and Exporters' International Association, has a number of interesting commercial articles dealing with Italian activities and written with the object of assisting business men.



## General Medical Council.

THE May session of the General Medical Council opened at 44 Hallam Street, London, W., on May 27, Sir Donald MacAlister, President, in the chair. The new members were Dr. B. B. Conolly, representing the Society of Apothecaries; Dr. Sydney Russell Wells, the University of London; Dr. T. Wardrop Griffith, the University of Leeds; and Dr. Thos. Sinclair, the Queen's University, Belfast. These members having been introduced, the President delivered his

### OPENING ADDRESS.

He began: "When we last met peace had already dawned on the world. The dawn is now brightening into day. Though the sky is not free from clouds, the light is come, and we rejoice in it. Whatever troubles are before this nation, we face the future as victors." Reference was then made to the return of military doctors to civil life and the problem of the proper distribution of demobilised medical officers. The distinctions conferred on Sir Norman Moore, Sir Charles Tomes, and Sir Jenner Verrall were, said the President, a gratifying recognition both of their personal eminence and of their fruitful co-operation in professional labours. The surplus of revenue over expenditure was 341l. at the end of 1918—better than had been expected. A feature in regard to the Medical Register has been the large number of registrations in the Colonial List, many Australian and Canadian graduates in this country for the war taking the opportunity of obtaining the legal qualification for practice here. The number of medical students in the United Kingdom in January was 9,490, the large increase being due to first-year students who have been released from Service. The medical schools are full, and in some centres it has been necessary to refuse admission to normal students. The President suggested that the State may give substantial assistance to enable the institutions to meet their expenses in readjusting their arrangements. The modifications in the Pharmacopœia, made in 1917 and 1918 to meet war conditions, were early in the year announced by the Government authorities concerned to be no longer necessary, the supplies of sugar, glycerin, and fats applicable to pharmaceutical uses being once more sufficient. By direction of the Executive Committee, after consultation with the Pharmacopœia Committee, the proper legal steps were accordingly taken to withdraw and cancel the temporary schedules of alterations; and the text of the British Pharmacopœia 1914 was thus, after due notice, reinstated on April 30. The President added that it will probably be necessary to print a new issue of the volume, for which there is a continuous demand, both in this country and abroad. The Ministry of Health Bills and the Nurses Registration Bills were then dealt with, and a protest was made against the proposed prohibition of vivisection so far as dogs were concerned. The Dentists Act Committee's report was thus summarised:

- (1) That very grave evils are associated with the unqualified practice of dentistry;
- (2) That the supply of qualified dentists is at present insufficient to meet all public requirements;
- (3) That the main causes of this shortage are the unsatisfactory state of the law in regard to unqualified practice, and the duration and cost of training for a dental qualification;
- (4) That to meet the evils disclosed, the legal prohibition of dental practice by unregistered persons is essential;
- (5) That, under prescribed conditions, unregistered persons who have reputably practised dentistry for five years should, in the event of prohibition being enforced, be admitted to registration as "dentists" or "dental practitioners," by a Special (*ad hoc*) Committee, including members of this Council.

The President added that the essential recommendations, on which for the moment attention will naturally be concentrated, are those dealing with (1) the prohibition of unlicensed practice in the future, and (2) the registration for the purpose of regulation and control of unregistered practitioners who have, without hindrance of the law as it stands, acquired a reasonable measure of experience by actual practice in the past. The Departmental Committee is justified, he said, in its conclusion that, in any fresh legislation, these two proposals must be held to stand or fall together.

The President was thanked for his address, and, after the various committees had been appointed, the Council proceeded to consider

### PENAL CASES.

The case of Isaac Bernard Barclay, adjourned from the last session, was taken first. Dr. Barclay was found guilty of infamous conduct in a professional respect, his offence being that he falsely stated in applying for an appointment that he had held certain appointments, which, in fact, he had not. The Council now came to the conclusion that Dr. Barclay's name should not be erased from the Register, as his conduct since November has been satisfactory. The Council adjourned at four o'clock.

Wednesday was occupied in the consideration of more penal cases. The first was that of Nathaniel Osborne McConnell, M.B., B.S., R.U. Ireland, Belfast, who was convicted at the Belfast Assizes of murder and sentenced to be hanged, which sentence was subsequently commuted to penal servitude for life. Mr. McConnell appeared in person. The Council, having heard him, decided that his name should be erased from the Medical Register.

The case of Hugh Mowat, M.B., C.M. Aberdeen, Everton, Liverpool, who had been fined on two occasions for being drunk and had been dismissed from the Army for drunkenness, was next considered. Judgment was postponed until the November Session.

The next case was that of Robinson Ruddock Coyle, M.B., C.M., of Glasgow, who was stated to have procured for his nephew the diplomas of a deceased practitioner, which enabled him to pass himself off as a registered medical practitioner. The Council, having heard evidence, decided not to erase Mr. Coyle's name from the Register.

The Council then began the consideration of the case of W. Herbert Fawcett, holding Edinburgh and Glasgow diplomas, who was stated to have improperly used undue influence upon a patient he was attending so that the patient transferred Stock to him and made a will in which he was appointed one of the executors. The case was still under consideration at six o'clock, when the Council rose for the day.

## Festivities.

### Dundee Assistants' Picnic.

An Association of Assistants and Apprentices which has recently been formed in Dundee began the summer session successfully on May 21 with a drive to Cynicus Castle, Fifeshire, and a picnic in the grounds there. A very enjoyable programme was arranged, including races and football, the prizes being offered by the employers. After tea a short programme of dancing followed, and during an interval the prizes were presented to the successful competitors by Mr. Livie (President). After a rendering of "Auld Lang Syne" the happy company set off on the homeward drive.

### Surprise Function at Leeds.

A happy gathering took place recently, when the members of the Council of the Leeds Chemists' Association assembled to honour their President (Mr. N. N. Armitage) at the close of his three years' service in the chair. As a result of a meeting held without Mr. Armitage's knowledge, the members of the Council and their wives gathered at tea at the Grand Central Hotel, to meet Mr. and Mrs. Armitage, their guests. Mr. J. H. Beacock presided. After an enjoyable repast and a brief interval for chat, in the course of which Mr. F. Pilkington Sargeant (member of the Pharmaceutical Council) said that he expressed the delight of the Council in having that opportunity to show their appreciation of Mr. Armitage's services, and in having the presence also of Mrs. Armitage, so that she could see how they valued her husband's labours, Mr. Armitage briefly thanked the gathering, and paid tribute to the help given him by the Hon. Secretary (Mr. E. E. Haslegrave). Later in the evening the party visited the Leeds Hippodrome.

IT WAS STATED at the recent annual meeting of the Royal Eye Hospital, London, that last year the number of out-patients treated was 21,848.

PROGRESS OF THE DYE INDUSTRY.—The Chairman of the British Cotton and Wool Dyers' Association stated recently that this country could now supply ample quantities of all the more common dyes. The faster dyes were being gradually introduced, but up to the present not in sufficient quantities. Many difficult problems in the production of dyes had been successfully worked out in British laboratories, but suitable plant had not been erected. The chemist was in advance of the engineer.



## Association Affairs.

**Colchester.**—The Essex Association of Pharmacists visited Colchester on May 21, and after a reception by the Mayor (Mr. Geo. F. Wright), who with the Mayoress entertained the members and their wives to tea, held a conference, at which many topics of interest were discussed. The President (Mr. C. Rundle, Walthamstow) hoped the result of the conference would be a great awakening of Essex chemists to the needs of the times, and a further entry of pharmacists on the work of pharmaceutical politics. Mr. P. F. Rowsell (member of the Council of the Pharmaceutical Society) described the work of the Proprietary Articles Trade Association, and claimed for the trade a better condition of things to-day than existed twenty-three years ago. After some observations on face values and adequate profit, Mr. Rowsell advocated a graduated scheme of patent-medicine duty. Mr. Campkin, who officially represented the Pharmaceutical Society, in the course of his remarks said that the Pharmaceutical



ESSEX CONFERENCE PARTY.

Society is worth preserving, and gave the reasons. He stated also that for Insurance dispensing pharmacists had not been paid sufficiently, and in this connection he emphasised the importance of co-ordination and co-operation among members. The Secretary (Mr. C. Goode) impressed upon the District Association the real need for Colchester to take a bigger interest in the questions of the day, especially as they had two members (Messrs. Bevan and Marlar) who were upon both the Pharmaceutical Committee and that of the County Association, and who should be required to furnish a monthly report, and to bring up official resolutions to the County Committee. The Chairman welcomed Mr. Percy Grays, an old member, safely back after three years' service in Mesopotamia. A new feature of the meeting was the presence of the ladies, who were shown the points of interest in the borough, being ciceroned by Dr. Philip Laver, F.S.A., and the Librarian (Mr. Geo. Rickword, F.Hist.S.), while the sterner sex were busy with the problems of the day.

**Dewsbury.**—The annual meeting of the Dewsbury Association of Pharmacists was held on May 21, Mr. W. Blakeley (Birstall) presiding. A circular was read from the Pharmaceutical Society with respect to the formation of an Industrial Council for pharmacy, and Mr. Broadhead explained how necessary it is for all chemists' assistants to join an organisation. A meeting would be held at Leeds shortly, at which Sir William Glyn-Jones would be present. He appealed to the chemists of the district to allow their assistants to attend. A vote of congratulation was passed to Sir William Glyn-Jones on the honour recently conferred upon him by his Majesty the King. The past year has been a successful one, and the Treasurer stated that there was a balance in hand of 5l. 9s. 6d. During the year the sum of 32l. 5s. was contributed to the War Auxiliary Benevolent Fund. The following officers were elected: *President*, Mr. W. Walker; *Vice-Presidents*, Messrs. J. S. Flower and C. Rhodes; *Treasurer*, Mr. Gutteridge; *Secretary*, Mr. Heughan. Mr. Walker recalled the fact that he joined the defunct Dewsbury Chemists' Association so long ago as 1877, and that this year the present Association attained its majority.

**Hull.**—At a meeting of the Hull Association of Pharmacists, held on May 21, the President (Mr. A. S. Snowden) suggested that a letter be sent, on behalf of the Hull Association, to convey their congratulations to Sir William Glyn-Jones. He then introduced Mr. J. Keall (President

of the Proprietary Articles Trade Association), who addressed the meeting on *The Work of the P.A.T.A.* Speaking of the honour conferred upon Sir William Glyn-Jones, Mr. Keall said they all realised the good work that gentleman had done, and that there had been no movement for the benefit of the craft with which his name had not been associated. After some observations on the value of organisation and of unity, he dealt with the questions of face values and adequate profit. The importance of getting into personal touch with firms was emphasised, and the speaker remarked that the time has gone by for passing resolutions and sending letters, but much might be done by getting "right across the table" to these people. The interests of corporate bodies are bound up with the interests of private pharmacists, and it should be possible in many areas to arrive at a common basis of action. He proceeded to show the difficulties in obtaining a fair percentage of profit, and spoke of the suggested alteration in the stamp duties. With regard to price-cutting, he believed that if a deputation were sent to the firms, in certain circumstances, a great effect would be produced throughout the trade. A vote of confidence in the P.A.T.A. was passed and support to the suggested revision of the stamp duties (3d. to the 1s.) was given. Mr. Keall, responding, referred to his early associations with Hull and to the fact that his father had been employed there.

**Lancs (N.E.).**—A general meeting of the North-East Lancashire Chemists' Association was held under the presidency of Mr. J. W. Aspinall on May 22. It was decided to support the recommendations of the Proprietary Articles Trade Association for a modified scale under which a penny would be charged as stamp-duty on every fourpence. Arrangements were made for the election in June of the Pharmaceutical Committee under the National Health Insurance Act. There was a long debate concerning the formation of an Industrial Council for pharmaceutical assistants, and it was decided to call the assistants together with a view to selecting delegates to attend the meeting in Manchester on May 28 addressed by Sir William Glyn-Jones. Mr. C. A. Crichtley gave a report of the Conference of Local Associations, which was attended also by Mr. R. Lord Gifford, J.P.

**Leamington.**—On May 15 a meeting was held under the auspices of the Warwickshire Pharmaceutical Association. The President (Mr. Hutton) welcomed Mr. Wolff, who outlined the work of the Proprietary Articles Trade Association, its importance, and the great advance in the number of articles now protected at face values. The maintenance of a living profit to pharmacists was the principal object of the P.A.T.A., and that being so it was of paramount importance that every pharmacist should be a member of the Association. Mr. Fleet (Rugby) asked why the P.A.T.A. did not now take up a firm attitude with manufacturers who still persist in refusing a living profit on their proprietaries. Mr. Davis (Leamington) asked whether the scale of profits asked for by the late Face Values Committee is being maintained. Mr. Lester (Nuneaton) questioned the loyalty of Co-operative Societies and the means of dealing with them. Mr. Stockwell (Shipston) stated that many P.A.T.A. and other proprietaries are being sold by grocers and other traders. He asked if, and how, these people are being dealt with. Mr. Ison (Atherstone) questioned the success of the boycott system against infringers of P.A.T.A. regulations. Mr. Wolff satisfactorily replied, and, in response to a request by Mr. Nundy (Leamington), he gave a brief explanation of the need of forming an Industrial Council. After a general discussion a vote of thanks was accorded to Mr. Wolff.

**London (Co.).**—A meeting of the Executive Committee of the London County Pharmaceutical Association was held on May 20, Mr. J. Keall (President) in the chair. A resolution was passed conveying to Sir William Glyn-Jones hearty congratulations on the honour recently conferred upon him by his Majesty the King. After a discussion the Committee decided that members of the District Associations of London be urged to become members of the British Pharmaceutical Conference. Regarding the Early Closing Association's propaganda for seven o'clock closing the Committee agreed to support the efforts made. The question of shortage of supply and high cost of certain dispensing-bottles was referred to the Trade Committee for consideration. The Secretary's report contained, among other matters, (a) the financial statement of the "Victory" dinner, which showed a balance in hand of 11l. 10s. 7d. It was decided to forward this sum as a donation to the Orphan Fund of the Pharmaceutical Society; (b) information dealing with the election of the Local Associations Executive; (c) a *résumé* of the proceedings at the Conference of Local Associations which was amplified by Mr. G. B. Barnard. The Committee congratulated the three delegates on their work at the



Conference. It was agreed to leave the formation of a District Industrial Council for the present in the hands of the Provisional Committee. The report of the Pharmaceutical Insurance Sub-Committee was adopted. A short discussion took place on the extra tax on spirits, several members protesting against the imposition on spirits used in the manufacture of tr. aurant. and spt. menth. pip. It was agreed to make representations to the Local Associations Executive with a view to their taking the matter up in order to secure the exemption of these preparations from duty in common with other spirituous pharmacopœial medicaments.

**London (W.).** The annual general meeting of the Western Pharmacists' Association was held at 316 Regent Street, W., on May 22, the President (Mr. C. A. Noble) in the chair. A report on a meeting of the London Pharmaceutical Committee was read, and the three members of the Western Association who have served on that Committee were re-elected. It was announced that reprints of Mr. C. T. Allen's paper on the Cost of Dispensing (*C. & D.*, May 3, p. 53) had been sent to the Association by THE CHEMIST AND DRUGGIST, and were available for distribution. The amount contributed to the War Auxiliary Benevolent Fund was given as 1,030%, irrespective of amounts otherwise credited. The report of the Treasurer (Mr. H. R. Procter) showed a balance in hand of 39l. 19s. 3d.—nearly 5% more than that of the previous year. (It was incidentally mentioned that the Western Association is the only one in London that has not raised its subscription.) The sum of 5l. 5s. was voted to the Pharmaceutical Society's Benevolent Fund. The Secretary (Mr. B. R. Wilkinson), in presenting his report, stated that the Association numbers 7 honorary and 400 ordinary members. Regret was expressed at the resignation of Mr. C. H. Hampshire. Mr. H. Martin has exchanged his position of auditor for that of assistant-secretary. The following four members were elected to the Committee: Mr. C. T. Allen, Mr. J. T. Barrett, Mr. C. A. Noble, and Mr. H. S. Watson. The auditors, Mr. J. P. Ellerington and Mr. J. Wigdery, were re-elected. A vote of thanks to the officers for their services during the past year was passed with acclamation. The remainder of the evening was occupied by a discussion on *Industrial Councils for Pharmacy*, opened by Mr. A. R. Melhuish, who in the course of an interesting address dealt with Trade Boards and cognate matters *ab initio*. The subsequent speakers, among whom were the President and Messrs. Tocher, Procter, Ellerington, and W. Browne, made evident the complexity of the subject.

**Newport (Mon.).**—A meeting of the Newport (Mon.) Chemists' Association was held on May 20, Mr. T. J. Badgett (President) in the chair. The President reported on the meeting of the Newport Trades Council and Mr. Benson Harries on the meeting of the Local Associations Executive. Mr. G. A. Mallinson (Assistant Secretary of the Pharmaceutical Society) was appointed to act as returning officer at the forthcoming election of the Newport Pharmaceutical Committee. The Checking Bureau report was adopted, most of the errors in pricing being very small. The Secretary has forwarded to the Secretary of the Pharmaceutical Society a list of chemists entitled to vote at the next election of the Local Associations Executive. Mr. Badgett was appointed delegate to the annual general meeting of the South Wales and Monmouthshire Federation of Chemists' Local Associations. "A humiliation and a betrayal" is the local opinion on the admission of certain holders of the Hall certificate to the Register of Chemists and Druggists.

**Public Pharmacists.**—A special meeting was held at St. Bride Institute, London, on May 19, Mr. A. H. Jenkin in the chair. The chief topic was the proposed by-law admitting apothecaries' assistants to the Register of Chemists and Druggists, and a lively discussion ensued. The Secretary, at the request of the Chairman, who disclaimed any intention of influencing the discussion, gave a *résumé* of the position since 1908, and dealt with the advantages and disadvantages of such a by-law. A resolution protesting against the proposal of the Pharmaceutical Council to pass a by-law admitting apothecaries' assistants to the Register of Chemists and Druggists without examination was then carried. An amendment, in view of the present circumstances, approving the action of the Pharmaceutical Society was defeated. Dissatisfaction was expressed at the manner in which the Pharmaceutical Council had dealt with the subject since 1908, and the opinion was expressed that, had it not been for the very emphatic assurances of policy made at past annual meetings of the Society, independent action would have been taken by pharmaceutical organisations throughout the country. It was also thought that no finality was assured, as the Society of Apothecaries may come along

with claims for "assistants" engaged in other work outside institutions. Mr. Jenkin explained the reasons which led him to vote for the by-law, and, whilst he deplored the necessity, in view of all the facts he felt this was the best way out of a position forced on the Pharmaceutical Society by the Government. It was decided to accede to a request to join other pharmaceutical organisations in a deputation to the Privy Council on this matter.

**South Wales Federation.**—Merthyr Tydfil Town Hall was the *locale* on May 22 of the annual proceedings of the South Wales and Monmouthshire Pharmacists' Local Associations Federation, a large and representative number of delegates being in attendance. It was stated that the Technical Education Authorities in Cardiff are starting the Welsh College of Pharmacy in September 1919. A vote of thanks was passed to the Cardiff Association, and especially to the President (Mr. Alex. S. J. Johnson), for their successful efforts in this matter. The Chairman remarked that all Associations in South Wales, except one, were now affiliated to the Federation. Sir William Glyn-Jones then proceeded to expound the measures affecting pharmacists now before Parliament. The delegates, after visiting places of local interest, were entertained to a meat tea, and at 6 p.m. the annual session of the Federation was opened by the Mayor (Alderman R. P. Rees, J.P., Dowlais), President of the Merthyr Tydfil Association, who presided. Amongst those present were Sir William Glyn-Jones, Mr. Benson Harries (Newport), Councillor and Deputy-Mayor H. M. Lloyd, Mr. D. R. Prosser (Appointments Department, Ministry of Labour), and Mr. V. A. Wills, J.P. The Mayor congratulated Sir William Glyn-Jones upon having received the deserved honour of knighthood. Their distinguished visitor had rendered inestimable service, and he thought the time had come when they, as a body of pharmacists, should testify to their appreciation in some tangible form. He was willing to set the ball rolling. Sir William Glyn-Jones, who disclaimed any idea of reward other than the satisfaction of being useful to the profession, said he did not know of any other borough in which both the Mayor and the Deputy-Mayor were practical pharmacists. He counselled pharmacists, in the interests of the public, to make the training and the expert knowledge they had received available for municipal administration. It was significant of the stage to which the organisation of pharmacists had reached that such a meeting as that one had been rendered possible. He was there to invite them to take their share with the Government in an effort to provide facilities for the men who had served with the Colours. Explaining the arrangements made by the Government and the Pharmaceutical Society, he went on to say that one of the reconstruction problems facing the country would be solved by the establishment of the Ministry of Health, whose business it would be to co-ordinate the work of the professions of medicine, pharmacy, and nursing in the interest of the State. Dealing with the question of the proposed College of Pharmacy for Wales, he said it would be the utmost folly if ever any "pride of area" was allowed to establish schools which might perhaps be glutted with students for a few years and then in succeeding years retain a smaller proportion than would be sufficient for the maintenance of those places. Alluding to the prospect of Industrial Councils, he advocated co-operation with, and the best consideration for, the assistants. The election of officers then took place as follows: Mr. Benson Harries (Newport), *President*; Messrs. H. M. Lloyd (Merthyr) and Walter Lloyd (Carmarthen), *Vice-Presidents*; Mr. H. S. Arnold (Cwmavon), *Treasurer*; and Mr. Ernest C. Harden (Cardiff), *Secretary*. The annual report and balance-sheet were passed, and the Advisory Committee, to arrange with representatives of the Pharmaceutical Society a course of action in reference to the instituting of the National College of Pharmacy for Wales, was elected as follows: (Monmouth County) Messrs. Parry Williams; (Swansea) Henry S. Arnold; (Cardiff) Leo Joseph, J.P.; (Merthyr) H. M. Lloyd; (Pembrokeshire) Phillips; (Newport) Benson Harries; (Aberdare) Thomas; (Rhondda) O. Davies; (Mid-Glamorgan) Williams; (Barry) Rees; (Carmarthen) Walter Lloyd; and Ernest C. Harden (Cardiff). Mr. Benson Harries thanked the Conference for the confidence they had placed in him. He referred to the questions of proprietary articles and of organisation. Councillor H. M. Lloyd also emphasised the importance of organisation, education, and co-ordination. He was certainly in favour of the Cardiff scheme for the Welsh College of Pharmacy, and he hoped that their united efforts would be centred upon it. He was desirous that the assistants should be accorded their full economic value, and, touching the new President, he was sure that Mr. Benson Harries would live up to his old tradition. Questions were then put to Sir William Glyn-Jones, who replied *seriatim*.



## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Barrow.**—The annual report of the Insurance Committee shows that there are seventeen chemists on the panel. The amount paid for drugs and appliances in 1918 was 2,451*l.* 10*s.* 11*d.*, against 1,938*l.* in 1917. As a result of the influenza epidemic the monthly average of prescriptions had risen from 6,000 to 10,691 in July. The payment to chemists for 73,152 prescriptions was 2,451*l.* 10*s.* 11*d.* One chemist received over 300*l.* and six chemists between 200*l.* and 300*l.* each.

**Blackburn.**—At a recent meeting of the Insurance Committee statistical difficulties in connection with the pricing of prescriptions were discussed, and as a result a letter has been addressed to all chemists and doctors on the panel stating that doctors repeating medicine should re-write the prescription in full each month. They were asked also to co-operate with the Committee to facilitate this dispensing with as little inconvenience to the patients as possible.—Payment to Lancashire Prescription Bureau (No. 4 Area), of 20*l.* and 108*l.*, was authorised, this being a final call for 1918, and a second call for 1919 respectively. An application from the Pharmaceutical Committee for 25*l.* for last quarter in respect of administration expenses has been granted.

**London.**—A meeting of the Pharmaceutical Committee was held on May 13, Mr. G. B. Barnard (Chairman) presiding. The Committee endorsed the action of the Secretary in sending congratulations on their behalf to Sir William Glyn-Jones. The Secretary was instructed to make inquiries into an allegation as to the accuracy in the supply of creosote. The report of the Central Checking Bureau for December 1918 showed that the margin of error in pricing was 0.11 per cent. The financial report of the Local Associations Executive for the year ended February 28 was adopted. The Secretary's report contained, *inter alia*, the following information: (a) That the Insurance Committee had decided that no change could be made in the present system of supply of drugs to the insured staff of hospitals and institutions. (b) That the arrangements for the advance payment of 6*d.* per script are to take effect from May 1. (c) That the Insurance Committee had issued a circular letter (S. 36) to chemists on the panel indicating the discontinuance of the War Emergency preparations. (d) That the Insurance Committee had passed resolutions in connection with the dispensing of urgent prescriptions after 8 o'clock (*C. & D.*, April 26, p. 73). (e) That investigations had been made into a complaint regarding difficulties of the pharmaceutical service in three different areas in London. The Secretary was instructed to furnish his report, in each of the cases, to the Insurance Committee. After discussion, the Committee decided to continue the contract with the Central Checking Bureau from April 1 to December 31.—The Insurance Committee met on May 22 to consider, amongst other business, the reports of the various Sub-Committees. The Finance Sub-Committee recommended payment of accounts amounting to 24,466*l.* 9*s.* 11*d.* Among these were the following to chemists for the medical year 1918, 83*l.* 0*s.* 9*d.*; 1919, 14,407*l.* 7*s.* 9*d.* Dispensaries under the Sanatorium Benefit Fund cost 155*l.* 5*s.* The General Purposes Sub-Committee submitted the following particulars for the year 1918:

Number of chemists' accounts, 11,127.  
Average cost per account, 11*l.* 8*s.* 5*d.*  
Number of scripts, 3,718,186.  
Number of prescriptions, 4,377,688.  
Average cost per script, 8.20*d.*  
Average cost per prescription, 6.97*d.*

Reports of the Medical Benefit Sub-Committee on several complaints against medical practitioners were received.

**Middlesex.**—At a meeting of the Pharmaceutical Committee, held on May 14, Mr. Herbert Skinner in the chair, the question of establishing a rota for late service was considered, and the Secretary was instructed to take action in the districts specially affected. The Checking Supervisor's Report showed that the February scripts numbered 78,331, and their average cost was 9.01*d.*; the number of prescriptions was 90,687, at an average cost of 7.78*d.* The March scripts had been priced in good time, and the payment of accounts was now less in arrears. It was pointed out that the recent Conference of Local Association delegates had virtually adopted the Middlesex view as to the increase

necessary in dispensing charges. Proposed changes in the Pharmaceutical Society's scheme of organisation were discussed, and the Secretary was authorised to prepare the required lists of voters.

**Oldham.**—At a recent meeting of the Insurance Committee the Clerk stated that, with regard to the complaints of unduly long waits in obtaining medicines, the Pharmaceutical Committee had promised avoidance of delay in future so far as possible.

**Portsmouth.**—The Pharmaceutical and Panel Committees have completed their investigations on excessive prescribing during 1914, and as a result, in addition to the sum already distributed among the chemists (*C. & D.*, 1917, p. 765), a further amount of 30*l.* 14*s.* 10*d.* has been recovered from three doctors. Negotiations have been proceeding simultaneously with twenty other physicians since the beginning of 1918, and it has now been agreed that one-sixth the excess would be a fair basis for a refund from the doctors. The sum paid over on this estimate amounted to 77*l.* 17*s.* 2*d.* The Secretary of the Pharmaceutical Committee has handed over also a sum of 3*l.* 10*s.*, being the surplus on his Committee's expenses for 1914. The total sum thus available for division among the chemists is 112*l.* 2*s.*, and this has been paid to the panel chemists in proportion to their accounts for 1914. A matter that has come before the Pharmaceutical Committee many times is now finally disposed of.

**Preston.**—At a meeting of the Insurance Committee held on May 14, Mr. Fowler drew attention to the statistical data regarding the cost of prescriptions which was, for Preston, less than the average ten Committees in No. 4 checking area. He was afraid there was a considerable opinion in the town that the medicine given to insured persons was not equal to that given in private practice. Mr. J. W. Hoole agreed many people would not have "panel" medicine. Dr. Derham said people had been used to their own physician dispensing for them. Doctors have now learned to prescribe with due regard to economy, but without loss of efficiency. He was afraid the value of the National Health Insurance Act had not been fully appreciated because it was not expensive. They wanted to educate the public in that matter. A representative of the chemists said the same quality of drugs was served to both panel and private patients. The Chairman agreed that often a patient's faith in a doctor did them as much good as medicine, and said it is absurd to suggest that a patient obtains better medicine from a doctor's surgery than from a pharmacy.—A resolution was passed later thanking the medical and pharmaceutical professions for their efficient services during periods of exceptional stress and difficulty.

#### May Drug Tariff.

The following are the alterations for May in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

*Lower:* Acaciae gummi pulv., 3*s.* 6*d.* lb.; acid. acetylsal., 9*d.* oz.; acid. hydrobrom. dil., 1*s.* 7*d.* per lb.; acid. salicylic., 2*s.* 10*d.* lb.; acid. tannic., 14*s.* 9*d.* lb.; aether B.P. 0.720, 3*s.* 10*d.* lb.; amyllum (maize), 7*d.* lb.; anthem. flor. extol., 3*s.* 4*d.* lb.; aq. sambuci (simp.), 7*d.* lb.; argent. nit., 3*s.* 9*d.* oz.; argent. nucleas, 5*s.* oz.; barbitonum, 6*s.* oz.; bism. salicyl., 1*s.* 7*d.* oz.; caffeine, 3*s.* 10*d.* oz.; caffein. cit., 2*s.* 8*d.* oz.; chloroform B.P., 5*s.* 5*d.* lb.; creosotum, 1*s.* 7*d.* oz.; ext. cannab. ind., 13*s.* 4*d.* oz.; ext. casc. sagr. sicc., 11*d.* oz.; ext. casc. sagr. liq., 3*s.* 8*d.* lb.; ferri et ammon. cit., 6*s.* lb.; ferri et quin. cit., 1*s.* 10*d.* oz.; glycerinum, 1*s.* 9*d.* lb.; hexamina, 9*d.* oz.; hydrarg. iod. rubr., 1*s.* 6*d.* oz.; hydrarg. oxid. flav., 9*s.* lb.; hydrarg. perchlor., 7*s.* 10*d.* lb.; hydrarg. subchlor., 8*s.* 6*d.* lb.; hydrargyrum amm., 9*s.* 3*d.* lb.; hydrargyrum c. creta., 3*s.* 4*d.* lb.; inf. calumb. (ex conc.), 2*s.* 6*d.* lb.; iodoformum, 1*s.* 11*d.* oz.; lin. aconit. meth., 3*s.* 6*d.* lb.; lin. belladon. meth., 11*s.* 4*d.* lb.; lin. chlorof., 6*s.* 4*d.* lb.; lin. methyl. sal. co. B.P.C., 9*s.* 6*d.* lb.; lin. sap. meth., 2*s.* 4*d.* lb.; liq. adrenal. hydrochl., 3*s.* oz.; liq. am. acet. conc., 2*s.* 4*d.* lb.; liq. gutta 'percha B.P.C., 10*s.* lb.; lithii carb., 1*s.* 2*d.* oz.; magnesia levis, 3*s.* 4*d.* lb.; magnesia pond., 4*s.* 6*d.* lb.; mag. carb. lev., 1*s.* 2*d.* lb.; mag. carh. pond., 1*s.* 7*d.* lb.; mel horacis, 1*s.* 9*d.* lb.; methyl salicylas, 5*d.* oz.; ol. olive (suhlime), 22*s.* 9*d.* gal.; paraff. mol. (alh.), 2*s.* 1*d.* lb.; paraff. mol. (flav.), 1*s.* 1*d.* lb.; paraldehyd., 8*d.* oz.; phenacetin, 1*s.* 4*d.* oz.; phenazon., 5*s.* 3*d.* oz.; plumbi acet., 2*s.* 6*d.* lb.; podoph. res., 3*s.* oz.; pot. acet. (dry granules), 5*s.* 8*d.* lb.; pot. brom., 4*s.* 2*d.* lb.; pot. cit., 7*s.* 2*d.* lb.; pot. permang., 8*s.* lb.; pot. tart. acid., 3*s.* 10*d.* lb.; resorcium, 2*s.* 10*d.* oz.; sacc. lact., 2*s.* 8*d.* lb.; salol, 8*d.* oz.; sodii benz., 1*s.* 1*d.* oz.; sodii phosph., 13*s.* 3*d.* lb.; sodii phosph. acid., 3*s.* lb.; sodii salicylas (cryst.), 4*s.* 9*d.* lb.; sodii sulphocarb., 4*s.* 3*d.* lb.; spt. chlorof., 7*s.* 8*d.* lb.; spt. vini meth., 11*s.* gal.; syr. pruni virg., 1*s.* 9*d.* lb.; syr. aenne, 1*s.* 11*d.* lb.; tab. acid. acetylsal. gr. v., 1.26*d.* per doz.; tab. phenacetin, gr. v., 2.82*d.* per doz.; tab. phenacetin. co. B.P.C., 3.54*d.* per doz.; theobrom. et sod. salic., 3*s.* 8*d.*



oz.; tr. cardam. eo., 4s. lb.; tr. chlorof. et morph. '85, 4s. 9d. lb.; tr. rhei co., 3s. 10d. lb.; ung. hydrarg., 5s. 4d. lb.; ung. hyd. nit. dil., 2s. 8d. lb.; zingiber jam. pulv., 2s. 6d. lb. Plannel bandages, 3-in., 18.00d. each. Gauzes: boric, carbolic, cyanide, sal-alembroth, sublimate, 18.50d. each; iodoform, 33.00d. each. Lint, boric, 8-oz., 17.00d.

**Higher:** Ammon. benz. (artificial), 1s. 7d. oz.; aq. anethi ex conc., 10s. 3d. lb.; aq. anisi ex conc., 10s. lb.; aq. carui ex conc., 10s. lb.; aq. cinnam. ex conc., 13s. 3d. lb.; aq. feniculi ex conc., 11s. lb.; aq. menth. ex conc. (exotic), 10s. 9d. lb.; aq. pimentæ ex conc., 10s. lb.; camphora (flowers), 11s. 1d. lb.; chloroform camph. B.P.C., 11s. 10d. lb.; conf. sennæ, 2s. 10d. lb.; dec. cinchon. rub. ex conc., 6s. 2d. lb.; emul. olei morrhuae B.P.C., 2s. 6d. lb.; ext. ergotæ, 7s. 2d. oz.; ext. ergot. liq., 15s. 3d. lb.; glycer. acid. carbol., 3s. lb.; glycer. acid. tannic., 5s. 8d. lb.; glycer. boracis, 2s. 6d. lb.; glycer. pepsin., 7s. 8d. lb.; glycer. thymol. eo. B.P.C., 1s. 8d. lb.; lin. pot. iod. c. sap., 4s. 3d. lb.; liq. bism. et am. cit., 2s. 1d. lb.; liq. sodæ chlorinat. B.P.C., 5s. 4d. lb.; mag. sulph. effervesc., 3s. 2d. lb.; menthol, 2s. 3d. oz.; naphthol, 1s. 2d. oz.; ol. abietis, 2s. 11d. oz.; ol. eroton., 1s. 2d. oz.; ol. menth. pip. (redistilled), 60s. lb.; papav. capsula ang., 10s. per 100; pulv. amygd. co., 7s. 2d. lb.; rhei rhizoma pulv. E.I., 6s. 6d. lb.; sodii citro tart. (eff.), 3s. 10d. lb.; spt. rectificans, 15s. 3d. pint.; succ. scoparii, 3s. 8d. lb.; syr. aurantii, 2s. lb.; syr. calc. lacto-phosph., 3s. lb.; syr. cascaræ aromati., 3s. 4d. lb.; syr. ferri phosph., 1s. 6d. lb.; syr. limonis, 1s. 8d. lb.; syr. rhei, 1s. 9d. lb.; syr. scillæ, 1s. 3d. lb.; syr. tolut., 1s. 6d. lb.; syr. zingib., 1s. 6d. lb.; tr. aurantii, 15s. 6d. lb.; tragacanth. pulv., 15s. 9d. lb.; ung. hyd. co., 6s. 4d. lb.; vinum colechii, 8s. 3d. lb. Lint, unmedicated, 1-lb., 42.00d.

### SCOTLAND.

**Stirling.**—The County Insurance Committee paid, during 1918, 1,246l. 3s. 9d. to chemists and 286l. 4s. to dispensing doctors. A sum of 394l. 7s. 1d., as bonus to pharmacists and physicians, is still to be disbursed.

### May Drug Tariff.

The following are the new Tariff prices for May:

Name.	oz.	dr.	Name.	oz.	dr.
Acid. acetylsal. ...	1 1½	0 2	Liq. pancreat. ...	0 5	0 1½
" benzoic. ...	1 8	0 3	Lith. carb. ...	1 8	0 3
" gallic. ...	1 3	0 2½	Magnes. pond. ...	0 5	0 1
" hydrol. dil. ...	0 2	0 0½	" caro. pond. ...	0 2	0 0½
" salicyl. ...	0 4½	0 1	Malourea ...	8 5	1 2½
" tannic. ...	1 9	0 3	Menthol ...	3 2	0 5½
Eth. purif. ...	0 4½	0 1	Naphthol ...	1 8	0 3
Ammon. benz. ...	2 3	0 4	Ol. croton. ...	1 8	0 3
Anthem. flor. ...	0 4	0 1	" menth. pip. ...	7 0	1 0
Aq. anethi, anisi,			" olivæ ...	0 2½	0 0½
aur. flor., camph.,	½d. per oz. or		Papav. cap. ...	1s. 11d.	doz.
carui, chlorof., part thereof,			Paraldehyd. ...	1 0	0 2
cinnam., feniculi, subject to			Phenacetin ...	1 10½	0 3½
menth. pip. and monthly re-			Phenazone... ..	7 4½	1 1
vir., pimentæ, vision of flat			Plumb. acet. ...	0 3	0 0½
sambuci rate.			Podoph. resin. ...	4 2½	0 7½
Argent. nit. ...	—	0 9	Pot. acet. ...	0 6½	0 1
Bism. salicyl. ...	2 3	0 4	" cit. ...	0 8	0 1½
Caffeina ...	5 4½	0 9½	" permang. ...	0 11½	0 2
Cafl. cit. ...	3 9	0 6½	" acid. tart. ...	0 4½	0 1
Camphor ...	1 1	0 2	Resorcin ...	4 0	0 7
Chloroform ...	0 7½	0 1½	Rhei rad. pulv. ...	0 7½	0 1½
Chlorof. camph. ...	1 5	0 2½	Scam. resin pulv. ...	1 9	0 3
Cresot. ...	2 3	0 4	Sod. benz. ...	1 6½	0 3
Ergotin. ...	10 0	1 5½	Saach. lact. ...	0 3	0 0½
Ext. cannab. ind. ...	—	2 8	Salol ...	1 0	0 2
" ergot. ...	—	1 5½	Sod. salicyl. ...	0 5½	0 1
" liq. ...	1 3½	0 2½	" sulphocarb. ...	0 5	0 1
" casc. sic. ...	0 4	0 2½	Sp. chlorof. ...	0 8	0 1½
Ferri am. cit. ...	0 7	0 1	Spt. rect. ...	1 3½	0 2½
" quina. cit. ...	2 7	0 4½	Succus conii ...	0 3½	0 0½
Glycerin ...	0 2½	0 0½	" scoparii ...	0 4	0 1
Hexamin. ...	1 1	0 2	Tab. phenacet. ...	4d. doz.	
Hydr. iod. rub. ...	2 1½	0 4	" co. ...	3d. "	
" ox. flav. ...	1 1	0 2	Theobrom. sod. sal. ...	5 2	0 9
" perchlor. ...	0 11½	0 2	Tinct. aurant. ...	1 3½	0 2½
" subchlor. ...	1 0	0 2	Trag. pulv. ...	1 10½	0 3½
" ammon. ...	1 1	0 2	Ung. hydrarg. ...	0 6	0 1
" c. cret. ...	0 5	0 1	" co. ...	0 7	0 1
Iodoform ...	2 8	0 5	" nit. dil. ...	0 3	0 0½
Lin. aconit. meth. ...	0 3½	0 0½			
" bellad. meth. ...	0 11½	0 2			
" chlorof. ...	0 8	0 1½			
" methyl. sal. co. ...	0 9½	0 1½			
Liq. adrenalin. chlor. ...	4 2½	0 7½			
" am. acet. conc. ...					
" (I. 7). ...	0 2½	0 0½			
" bis. et am. cit. ...	0 2½	0 0½			
" gutta perch. ...					
(B.P.C.) ...	1 2	0 2			

THE IMPORTS of drugs, chemicals, and apothecaries' wares into the Union of South Africa during January 1919 amounted in value to 145,103l., against 122,451l. in January 1918. The medicinal-preparation imports were valued at 19,517l., against 12,800l., and apothecaries' wares at 8,271l., against 6,659l.

## Trade Report.

42 Cannon Street, E.C. 4, May 29, 3 p.m.

THE progressive improvement in the volume of business done in the chemical and drug markets still persists as the month closes, and in both home and export trading the tone is buoyant. Wholesale druggists continue busy, and a steady trade is being done, while on export account there are some good inquiries from America for crude drugs. As the result of the keen and prolonged competition from the United States, the prices of many synthetic chemicals must now be approaching their lowest. Britain, for several months past, appears to have become a dumping ground for chemicals like aspirin, salicylates, acetanilide, benzoates, vanillin, paraldehyde, etc., and this gives rise to complaint among British makers, as the prices of a few are getting dangerously near cost, especially products like aspirin and the salicylates. Phenacetin has had a sharp rise owing to the sudden depletion of stocks, but the advance is regarded as temporary only. Japanese slab camphor is still soaring and getting scarcer daily. Benzonaphthol is rather cheaper. Cocaine hydrochlor. is lower. Phenolphthalein is still scarce, and phenazone is weaker. Vanillin is dearer. Mercurials have been advanced 5d. per lb., following the rise in mercury, and for the same reason vermilion is higher. Among the essential oils, star anise, cinnamon leaf, eucalyptus, and white camphor are easier. Fixed oils like castor, linseed, rape, and coconut are dearer, owing to an active trade and speculative demand. In seeds, fenugreek, coriander, and canary are again dearer. Spices are quiet, cloves and pepper being steady. Shellac is much higher again. Vanilla at auction was higher, and at an important public sale of castor oil very full prices were paid.

Higher	Firmer	Easier	Lower
Camphor (Jp. ref.)	Agar-agar Canary-seed	Anise oil, star Benzoic acid	Acetanilide Aspirin
Cinnamon	Liquorice-root	Benzonaphthol	Cocaine
Coconut oil	Menthol	Camphor oil (white)	Phenazone
Coriander-seed		Cinnamon-leaf oil	Witch-hazel ext.
Fenugreek-seed		Eucalyptus oil	
Ginger		Soda salicylate	
Linseed oil			
Mace			
Mercurials			
Phenacetin			
Quicksilver			
Rape oil			
Shellac			
Turpentine			
Vanilla			
Vanillin			
Vermilion			

The drug auctions will be held next Thursday, June 5.

### Cablegram.

NEW YORK, May 28.—Business in drugs is quiet. Opium is \$1.00 per lb. lower at \$10.00, duty paid for druggists'. Short buchu leaves are higher at \$1.90. Citric acid is lower at 98c. per lb.

ACETANILIDE.—Several parcels have been dumped in this market from the United States, and as the demand is insufficient to absorb them the price is weaker at from 2s. 3d. to 2s.

ACETIC ACID is unchanged at 67l. 10s. for 80 per cent. pure, and 85l. for glacial in barrels on spot. The outlook for freight from U.S.A. is rather discouraging, as steamship owners are in a position to discriminate as to what goods they will carry. Stocks of 80 per cent. are getting low, as the hot weather has greatly improved the demand.

ALBUMEN.—Spot sellers of Chinese egg ask 4s. 6d. per lb.

ALOES.—The exports from the Union of South Africa during January 1919 were 33,676 lb. (337l.), against 153,584 lb. 1,312l.) in January 1918.

AMMONIA SULPHATE.—From June 1 to September 30, 1919, ammonia sulphate (24½ per cent.) to agricultural merchants, dealers, and co-operative societies for sale to farmers or to farmers direct, for direct and immediate application to the land shall not exceed 17l. per ton (less a trade discount when sold through merchants, etc., of 10s. per ton) delivered to consumers' nearest railway station or wharf. To manure users and makers of compound fertilisers the price shall not exceed 19l. 10s., less trade discount of 10s.



ANETHOL is offered at 11s. 6d. per lb. net.

ANISE.—Russian is quoted 80s. per cwt. Spanish has been sold at 85s. per cwt.

ANISE OIL, STAR, is quiet and easier, with spot sellers of "Red Ship" brand at 4s. 4½d. per lb.

ARROWROOT.—At auction 549 barrels St. Vincent offered and 25 sold at 5½d. per lb. for common.

ASPIRIN.—The present low prices have seriously affected the position of English makers, as the cost of acetic anhydride and salicylic acid leaves a very narrow margin, if any, of profit at 4s. per lb. The eagerness of American makers to dump their surplus production on this market has induced reckless selling on their part, and led to an unsatisfactory position.

BELLADONNA EXT.—Prices for the new English extract are likely to be fixed within a fortnight. The crop has been fairly plentiful.

BENZALDEHYDE is in good demand at 6s. per lb. for f.f.c.

BENZOIC ACID is still in downward tendency, the spot price being from 5s. 6d. to 5s. 3d. per lb.

BENZONAPHTHOL is rather cheaper at 27s. 6d. per lb.

BETANAPHTHOL.—Resublimed quality is now being more freely offered at about 6s. per lb.

BROMIDES.—Shipments from the U.S.A. appear to be coming forward slowly, especially of potash crystals, and the opinion is maintained that prices are likely to be firmer rather than easier, as the period of heavier consumption is at hand.

BUCHU.—The exports from the Union of South Africa during January 1919 were 987 lb. (150l.), against 530 lb. (53l.) in January 1918.

CAMPHOR (REFINED).—Japanese 2½-lb. slabs are dearer, with spot sales at from 11s. 6d. to 13s. per lb. Near at hand has been sold at from 11s. 3d. to 11s. 6d. c.i.f., and July-August at 11s. c.i.f. English flowers are 9s. 6d., and tablets 10s. to 10s. 6d. per lb.

CAMPHOR OIL.—White essential Japanese is easier, spot offering at 110s. per cwt., and for forward shipment 120s. c.i.f. is quoted.

CANARY-SEED has been sold at 205s. per quarter on the spot, and at 185s. to 190s. c.i.f. terms for shipment from Morocco.

CARAWAY-SEED.—It is difficult to obtain any offers from Holland, so that quotations are nominal at 120s. to 125s. per cwt. Morocco and Tunis on the spot are quoted 120s. per cwt.

CARDAMOMS are firm, bold Ceylon-Mysore offering at 7s. 6d., medium at 6s. 2d., Ceylon-Malabar at 4s. 6d. to 4s. 7d., Aleppy at 4s. 7d.; seeds have been sold at 3s. 6d., with 3s. 8d. asked.

CASSIA OIL is quiet, with 80 to 85 per cent. c.a. offering at 7s., and 70 to 75 per cent. at 6s. 6d. on spot.

CASTOR OIL is dearer, with a good inquiry. The makers' quotation for pharmaceutical is 97l., and first pressing 94l. per ton in barrels ex works. An auction of about 4,200 tons castor oil lying in London, Liverpool, Hull, Manchester, and Glasgow was held at the Baltic Sale Rooms, St. Mary Axe, London, E.C., on May 27, by order and for account of the Ministry of Food, through their agents, the United Kingdom Oil and Oilseed Brokers' Association, Ltd. It was stated by the selling broker that Germany "is a buyer of the whole lot," but this fact did not seem to influence buyers. A fair proportion of the offerings sold at very full to higher prices as compared with those of the makers. Some 1,068 tons Calcutta, Madras, Coconada oil, lying in tanks in London, Manchester, and Glasgow, had been sold privately. The following sales were made publicly: Madras seconds, lying in London (17½ tons), in barrels, at 91l. per ton; Calcutta firsts, in barrels (12 tons), at 95½l.; seconds, in barrels and tins and cases (125 tons), 86l. to 91l.; Calcutta seconds, lying in Liverpool (17 tons), in packages, at 91l.; Madras seconds, lying in Hull (5 tons), in packages, 91l.; home produced, at Hull (210 tons), in barrels, at 91l.

CINNAMIC ACID is in fair demand, and selling at 37s. 6d. per lb.

CINNAMON is dearer, Ceylon firsts offering at 1s. 8d., seconds 1s. 7d., thirds 1s. 6d., fourths 1s. 5d., and chips at 9d. per lb. on the spot.

CINNAMON OIL is easier, with sellers of Ceylon leaf at 7½d. per oz.

CITRIC ACID is firm at from 4s. 4d. to 4s. 4½d. per lb.

CLOVE OIL.—English distillers quote from 11s. 6d. to 12s. per lb.

CLOVES are quiet, with sellers of fair Zanzibar on the spot at 1s. 3½d. and June-August shipment at 1s. 3d. c.i.f.

COCAINE.—Competition is keener, and the eagerness on the part of one maker to sell has brought the price of hydrochloride down to 30s. per oz.

COD-LIVER OIL.—Our Bergen correspondent writes on May 20 that the Finnmarken fishing continues under favourable conditions. The result of all fisheries up to May 17 is as follows:

	1917	1918	1919
Catch of cod (millions)	23	17.3	23.7
Yield of c.l.o. (hect.)	33,100	16,000	29,200
Liver for "raw" oils (hect.)	3,500	6,400	4,050

COPPER SULPHATE.—Home makers do not appear to be doing much in the way of new orders for export, but the market is reported firm at 48l. per ton f.o.b. Liverpool, less 5 per cent. There is certainly not much fear of the market being upset by developments in metallic copper, as the level of present prices for the latter is hardly likely to ease much, as copper is being mostly produced at a loss owing to high costs. The use of copper sulphate for agricultural purposes on the Continent should assume more importance after the signing of peace, but for the present export business is largely hindered by adverse financial conditions, incidental to the abnormal fluctuations in the exchange rates. The home-trade price is 45l.

CORIANDER-SEED is firm at 26s. per cwt. for old-crop Morocco, and at 32s. 6d. for 1918 crop.

COUMARIN is in good demand at from 38s. to 40s. per lb.

CUMIN-SEED is slow of sale, and the price is unchanged at 42s. 6d. per cwt. for sifted Morocco.

DILL-SEED is unchanged at 30s. per cwt.

ERGOT.—The market remains practically bare of supplies. Some new crop is due June-July via Scandinavian sources.

FARINA.—Japanese is firm but quiet, with sellers at 47s. 6d. per cwt. for No. 1; sweet-potato flour is 39s. 6d. spot.

FENNEL-SEED.—The last sale reported was at 38s. per cwt.

FENUGREEK-SEED is dearer, with business at 22s. 6d. per cwt. for fair-quality Morocco.

GENTIAN is steady at from 57s. 6d. to 60s. per cwt. on the spot.

GINGER.—At auction 22 bags fair rough Calicut sorts sold at 66s.; 329 bags Cochin were bought in at 70s. for very wormy washed.

GLUCOSE.—American guaranteed water-white is quoted at 48s. 6d. per cwt., duty paid, landed terms. The imports into the United Kingdom during the first four months of the year amounted to 15,411 tons, compared with 8,848 tons in 1918 and 18,173 tons in 1917.

GRINDELIA ROBUSTA is quoted at 1s. 4d. per lb. net on spot.

GUM ACACIA sells slowly, usual half-hard Sudan sorts offering at from 60s. to 65s. per cwt.; good white soft is quoted at 115s. down to 95s., as to quality.

HENBANE EXT.—The prices of the new English are expected to be fixed within a fortnight. The crop has suffered somewhat from drought.

INSECT POWDER.—English ground from Japanese flowers is offered at from 2s. to 2s. 5d. per lb. as to quality.

IPECACUANA.—Arrivals aggregating 56 bales have taken place from Monte Video. Sellers of Matto Grosso quote 11s. 6d. to 12s. per lb.

LANOLINE.—Anhydrous B.P. quality is quoted at 1s. 6d. per lb.

LIQUORICE-JUICE.—Good Sicilian extract is rather firmer at from about 275s. to 300s. per cwt.

LIQUORICE-ROOT is firmer, the value of good cut decorticated being about 180s. to 185s., and common natural from 70s. to 80s. per cwt. on the spot.

MACE.—At auction 20 cases fair Singapore sold at 1s. 6d., being dearer.

MENTHOL is firmer, spot sellers quoting Kobayashi-Suzuki at 25s. per lb., at which sales have been made. Combined with oil sales of March-May shipment have been made at 29s.

MERCURIALS.—Following on the rise in mercury, an advance of 5d. has taken place. The makers' list price for calomel is now 6s. 8d., corrosive sublimate 6s. 4d., and white precipitate 7s. 4d., with the usual reduction for quantity.

METHYL SALICYLATE is another cheap product which is not likely to be much cheaper on account of the difficulty of importing dimethylsulphate; 2s. 6d. per lb. is the spot price.

MILK-SUGAR has sellers at from 1s. 7d. to 1s. 8d. per lb. on spot.



**MINT OIL.**—Japanese dementholised is quiet, with spot sellers of Kobayashi-Suzuki at 5s. 10½d., and to arrive 5s. 7½d. c.i.f. is quoted.

**OILS (FIXED).**—The Continent (particularly Germany and Scandinavia) are eager buyers, and the markets are strong, with a rising tendency. The tension in *Linseed* oil has been greater than ever owing to the prevailing acute scarcity of spot oil. Manufacturers in some directions are complaining of the increased difficulty in covering their wants. Excessive speculation has caused the market to be dangerously inflated. Prices, indeed, have again been run up substantially to over 104½ per ton for raw oil delivered at mills. Values for forward positions are likewise feeling the full effect of the excited speculative demand. Very little stock can be spared by crushers, although there is no doubt that efforts are being made to push operations at the inflated figures ruling. The seed market has developed unabated strength, while freightage is somewhat difficult to arrange both from Calcutta and the Argentine. Previous to the advance in oil Germany had secured 24,000 tons at about 78½ per ton (see also p. 52). Crude *Rape-seed* oil has advanced to 96½ per ton and refined to 100½. *Soya-bean* is now 90½, and Chinese *Wood* is 100½ per ton. *Coconut* is firm, Cochin for August-September shipment offering at 93½ c.i.f.

**OPIMUM.**—Although Turkey opium is in plentiful supply on the spot at very reasonable prices, manufacturing chemists find a difficulty in obtaining a permit from the Home Office in order to procure their legitimate supplies. From this it is inferred that the Government prefer to work off their stocks of the less esteemed Indian opium, which is also plentiful.

**PARA-FORMALDEHYDE.**—Business has been done at 5s. 6d. per lb. on spot.

**PEPPER** is steady but quiet, the sales including fair black Singapore at 11½d. on spot; Tellicherry is 11½d., and Aleppy 10½d. *White* is also steady, with sales of fair Singapore at 1s. 4½d. and Muntok at 1s. 5d., also June-August shipment at 1s. 4½d. e.i.f. d.w.

**PETROLEUM JELLY** is quoted at from 46s. to 90s. per cwt. on the spot, according to grade.

**PHENACETIN.**—The clearance of the recently arrived stocks has resulted in the price improving to 14s. 6d. to 15s., but this improvement is regarded as temporarily only, as the position is unchanged in America, and the price will be reduced when further consignments are to hand.

**PHENAZONE.**—Some parcels appear to have found their way into this country from France lately, which has resulted in keen cutting among dealers, who quote 37s. 6d. to 38s. 6d. per lb.

**PHENOLPHTHALEIN** is very scarce on the spot, and 20s. is asked for forward delivery; but with the increased production of phthalic anhydride the outlook is for appreciably lower prices before long.

**PIMENTO** is steady, with spot sellers at 5½d. per lb.

**POTASH CHLORATE.**—Ordinary is quoted at 1s. 3d. to 1s. 4d. per lb., and chemically pure at the usual premium.

**POTASH SULPHOGUAIACCIATE** is in demand for export, with business done at 27s. 6d. per lb.

**QUICKSILVER.**—The demand appears to have reached rather more important dimensions than was generally supposed when the first advance of 1½ per bottle took place. Just after we went to press last week another rise of 2½ was recorded in a strong active market. Apparently a considerable number of rather urgent orders were executed for re-export, and there is some suspicion that the market may stiffen further, as the general demand has been stimulated by the unexpected upward swing. It is reported that American prices have advanced further, which has added to the more independent attitude of importers here, who now quote 18½ per bottle, less 3 per cent. It is interesting to note that the recent good imports have had but little effect on the temper of the market. Presumably American exporters do not seem eager to compete in this market, while the demand on the other side has continued active, and sellers at San Francisco are more reserved. The progress of the world's production may be expected to be maintained at a satisfactory rate, but in regard to the United States the question of very high costs is the chief restraining factor under peace conditions. When the industry was entirely under Washington control and production was forced at any cost, things were, of course, different. So far there is no reliable news in regard to the state of mining operations either in Italy or Austria, but competition from these sources later on, against the Spanish product, has to be kept in view.

**QUININE ETHYL CARB.** is being freely ordered, the spot value being 10s. 6d. per oz.

**RESORCIN** is unchanged at 20s. per lb., with little stock available.

**SACCHARIN** is quiet at 20s. per lb. for American 550 in bond. On contract there are sellers of American 550 until September at 13s. per lb. in bond; this price is understood to be for contract quantities only.

**SALICYLIC ACID** is another example of dumping by the United States, and it looks as if the position of English makers must seriously be affected before long, as the price is being forced down below cost, and is within measurable distance of pre-war values. Powdered is offered at 1s. 4d. and needle crystals at from 1s. 5d. to 1s. 8d., according to make. There is little inclination among English makers to book forward at these prices.

**SALOL** meets with a fair demand at from 4s. 6d. to 4s. 3d. per lb. on the spot.

**SENEGA** is firm at from about 7s. to 7s. 3d. per lb. on spot. The demand seems to have been unusually large this year.

**SHELLAC.**—Spot prices have advanced a further 10s. to 15s. per cwt., sales of usual standard TN Orange quality having been made up to 325s. to 330s., and fine Orange at from 360s. to 370s. AC Garnet varies from 270s. to 285s., as to condition, and GAL is 260s. To arrive, TN Orange for May-June shipment in bags has been sold at 300s. to 295s., and June-July at 295s. to 282s. 6d., June-August 285s. c.i.f. Futures are about 20s. higher, TN for August delivery being done at from 314s. to 335s. to 335s., and October at from 305s. to 335s. to 334s.

**SODA BENZOATE** is in good demand at from 5s. 6d. to 6s. per lb. on spot.

**SODA SALICYLATE** is also beginning to feel the effect of American competition, powdered offering down to 2s. 6d. per lb.

**SPARTEINE SULPHATE** continues in good demand at 22s. 6d. per oz.

**TANNIC ACID.**—Leviss B.P. is in fair request at 8s. 6d. per lb.

**TARTARIC ACID** is steady and in good inquiry at 3s. 3d. per lb. on spot.

**THEOBROMINE.**—Both home and export inquiry for this chemical is active. The pure alkaloid is quoted at 32s. 6d. and sodium salicylate at 19s. per lb.

**UREA.**—Chemically pure of Swiss make is offered at 5s. 3d. per lb. on the spot.

**VANILLA.**—At auction on Wednesday 390 tins, mostly Seychelles and West Indian, offered and about half sold at rather higher prices. Of Seychelles, 94 tins offered and sold, comprising good firsts, 6 to 9 in., 10s. 6d. to 11s.; 3 to 5½ in., 9s. to 10s.; good seconds, 4 to 7½ in., 8s. to 10s.; brown foxy and split, 5s. 6d. to 6s.; 130 tins West Indian offered and sold, firsts, slightly brown, 5 to 8 in., 7s. to 9s. 6d.; 3½ to 4½ in., 6s. 6d.; foxy, 4½ to 7½ in., 5s. 6d. to 7s.; and splits, 6s. 6d. A parcel of fine Bourbon was bought in at higher prices, but mostly sold subsequent to the auction.

**VANILLIN** has responded to the rise in cloves, makers asking 42s. per lb., with second-hands offering down to 40s. The prospects point to the improvement being maintained for some time.

**VERMILION.**—Owing to the advance in quicksilver, English makers have advanced their prices to 5s. 6d. to 5s. 7d. per lb. net, according to quantity.

**WAX, VEGETABLE.**—Japanese is steady, with spot sellers at 75s. per cwt. The exports from Japan during January 1919 amounted to 170,867 kin, valued at 67,201 yen. For the corresponding period in 1917 and 1918 they were as follows:

		1917	1918
Kin	...	184,597	392,899
Yen	...	55,979	132,728

**WITCH-HAZEL EXT.**—Finest American distilled is cheaper, offering in casks at 19s. per gal. net, duty paid.

**A QUININE SUBSTITUTE.**—Now that quinine is scarce, a correspondent in the "Ceylon Observer" draws attention to the value of the bark of the margosa tree as a substitute for quinine in malarial fever. Fifty years ago, when quinine was selling in Ceylon at the equivalent of 1½ per oz., a decoction of margosa bark was extensively used by native and European practitioners. Its therapeutical uses are described in Waring's "Pharmacopœia of India." It is suggested that preparations of the bark should be distributed to patients at dispensaries instead of the usual quinine mixture.



## Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports named:

## London

(May 12 to 19).  
 Alcohol, wood (U.S.), 111 drms.  
 Almonds (bags), (Port.) 200, (Sp.) 150, (Fr.) 862  
 Barytes (U.S.), 160 brls. Gasein, (N.Z.) 3,111 sks., (B'bay) 200 bgs., (Fr.) 421 bgs.  
 Chemical products, etc.; not described (Fr.), 14 cs.  
 Argol (Fr.), 223 bgs.  
 Barium sulph. (Sp.), 300 bgs.  
 Iodine (Jp.), 20 cs.  
 Pot. carb. (Russ.), 116 brls.  
 Pot. sulph. (Cal.), 800 bgs.  
 Saltpetre (Cal.), 5,976 bgs.  
 Tartar (Fr.), 149 bgs. 49 cs. 15 brls.  
 Thorium nit. (Phila.), 100 cs.  
 Drugs, medicines, etc.; glaxo (N.Z.), 23,905 tins  
 Drugs, crude: leaves, herbs, not described (Phila.), 274 bgs.; leaves, roots, not described (Fr.), 149 brls.  
 Calumba, 740 bgs.  
 Cardamoms, 150 pkgs.  
 Chamomiles (Belg.), 20 bbls.  
 Chiretta (Cal.), 30 Galls (Port.), 76 bgs.  
 Henbane (Egpt.), 6 Kola (Lagos), 160  
 Liqueurice paste (Smyr.), 86 cs.  
 Menthol (Jp.), 150 cs.  
 Nix vomica (B'bay), 288 bgs.  
 Opium, (Tky.) 44 cs., (Smyr.) 25 cs.  
 Senna (Egpt.), 545 Squill (Malta), 279  
 Tamarinds (Cal.), 50  
 Turmeric (Cal.), 100 bgs., (B'bay) 121  
 Dyes, dyeing and tanning materials, etc.: indigo, (Cal.) 51 cs., (N.Y.) 152 serons; myrabolans, (Cal.) 11,000 pkts., (B'bay) 850 bgs.; valonia (Smyr.), 17 bgs.  
 Egg products; albumen, 50 cs.; yolk (Shai), 2,449 cs.  
 Farina (Jp.), 3,256 bgs.  
 Glucose (N.Y.), 60 brls.  
 Gums, resins, etc., not described: (B'bay) 860 bgs. 78 cs.; (S'pore) 445 cs.; acacia (Egpt.), 16,112 bgs.; copal (S'pore), 300 cs.; damar (S'pore), 100 cs.; gambier (S'pore), 113 cs.; karaya (B'bay), 120 bgs.; lac (Cal.), 25 cs.; button, 45 bgs.; seed, 24 cts.; myrrh (B'bay), 38 bgs.; olibanum (B'bay), 100 cs.; resin, (Port.) 120 cs., (Fr.) 50 brls., (Phila.) 200 brls.; tragacanth (B'bay), 38 bgs.  
 Honey (N.Z.), 365 bxs., 800 cs. (Aust.), 5,460 cs.  
 Lithopone (U.S.) 250 brls., (R'dam) 900  
 Oils, essential, not described, (Fr.) 119 cs., 36 drms. 2 cs., (S'pore) 5 brls.; eucalyptus (Aust.), 10

cs.; mint (Jp.), 100 cs.; orange (Jam.), 10 cs.; patchouli (Jp.), 20 cs.; rose (Fr.), 26 cs.; turpentine, (Swe.) 10 cs., (Phila.) 490 brls.; ylang-ylang (Fr.), 10 cs.  
 Oils, fixed: coconut (R'dam), 501 brls.; cottonseed, 1,987 brls.; linseed (Cal.), 300 pkgs.; olive (Fr.) 187 cs. 195 cs.; palm, (W. Af.) 346 cs., (R'dam) 529 brls.; soya (Jp.), 14,000 cs.; sperm (Jp.), 350 cs. 37 brs.; whale (Cape), 985 drms.  
 Perfumery (Fr.), 47 cs. Seeds, etc.: cashew nuts (B'bay), 93 cs.; copra, (S'pore) 10,019 bgs., (S.S.) 1,554 bgs.; cotton (Egpt.), 472 tons 2,437 bgs.; ground-nuts, (Ch.) 1,000 bgs., (W. Af.) 15,536 bgs.; lin (E.I.), 17,838 bgs.; palm, 11,585 bgs., 817 tons; sesame (Ch.), 2,800 bgs.; sunflower, (Jp.) 448 bgs., (Cape), 172 bgs.  
 Soy, (Jp.) 20 brls., (Ch.) 200 cs.  
 Spermaceti (Jp.), 1,000 Spices: cassia (Ch.), 60 cs. 1,288 bbls.; cinnamon (S'pore), 615 pkgs.; cloves, (B'bay) 2,628 bbs.; (Durban) 200 bbs.; ginger, (B'bay) 3,316 bgs., (Ch.) 425 cs., (Jam.) 89 bgs., 30 brls.; nutmegs (S'pore), 50 cs.; pepper, (P. Said) 162 bgs., (S'pore) 3,065 bgs.; pimento, (Jam.) 2,871 bgs.  
 Talc (Fr.), 1,968 bgs.  
 Vanilla (Fr.), 72 cs.  
 Wax, not described (Fr.), 320 bgs. 10 pkgs.  
 Wax, bees' (Port.), 417  
 Wax, paraffin (U.S.), 2,500 pkgs.

## Liverpool

(May 12 to 17).  
 Barytes (Phila.), 762  
 Chemicals: borax, (U.S.), 5,337 sks.; mangan. perox. (Cal.), 1,820 bgs.; sod. nit., 10,050 bgs.  
 Drugs, medicines, etc., not described (U.S.), 148 cs.; balsams (Para), 120 pkgs.; kola (W. Af.), 160  
 Dyes, dyeing and tanning materials, etc.: tanning extract, (Phila.) 127 brls., (Fr.) 10 cs.; heina-tine (Phila.), 100 brls.; madder (R'dam), 2 pkgs.; myrab. (Cal.), 8,800 bgs.; sumac (It.), 1,030 bgs.  
 Glucose (U.S.), 60 brls. 1,500 cs.  
 Gums, resins, etc.; lac (Cal.), 25 bgs.; button, 59 cs.; orange, 160 cs.; resin, (U.S.) 5,631 brls., (Sp.) 1,604 brls.  
 Lime-juice (W.I.), 20 puns.  
 Lithopone, (Phila.) 27 brls., (R'dam) 140  
 Oils, essential; turpentine, (U.S.) 1,500 brls., (Sp.) 803 brls.

Oils, fixed: cod liver (St. John, N.B.), 112 cs.; palm (W. Af.), 1,230 cs.; whale (Shet. I.), 1,100 drms. 140 brls. 3,000 tons  
 Perfumery, drugs, etc. (Fr.), 1,348 pkgs.  
 Seeds: copra (W. Af.), 209 bgs.; ground-nuts (W. Af.), 6,389 pkgs., 1,730 tons; palm (W. Af.), 28,380 bgs. 1,087 tons  
 Stearin (St. John, N.B.), 300 pkgs.  
 Wax, paraffin (B'goon), 2,400 pkgs.

## Folkestone

(May 10 to 16).  
 Drugs not described (Fr.), 14 pkgs.; perfumery (Fr.), 184

## Hull

(May 12 to 16).  
 Barytes (Sp.), 145 brls.; caraway seed (Holl.), 20 bbls.; gentian (Sp.), 95 bgs.; lin (E.I.), 9,195 bgs.; myrab. (B'bay), 1,772 bbls.; palm kernels (W. Af.), 80,225 bbs.; rape (Ind.), 12,004

## Glasgow

(May 6 to 15).  
 Acetic acid (St. John, N.B.), 547 drms.; barytes (U.S.), 190 brls.; cutch (Rangoon), 200 bxs.; myrab. (Egpt.), 6,030 pkgs.; gums, resins, etc.: resins, (Fr.) 249 cs., (Port.) 244 cs.; lac (Cal.), 25 bgs.; tartar (Port.), 25 cs.; turpentine (U.S.), 2,075 brls.; wax, paraffin (B'goon), 960 bgs.

## Manchester

(May 6 to 15).  
 Acetic acid (N.Y.), 551 brls.; acetone (U.S.), 363 drms.; barytes (Phila.), 483 brls.; calc. carbide (St. John, N.B.), 10,500 drms.; calc. phosphate (N.Y.), 32 brls.; cardamoms (B'bay), 50 cs.; cotton seed (B'zil), 2,259 bgs.; dextrin (Phila.), 1,280 bgs.; dyes (Phila.) 17 brls.; dyewood extract (N.Y.), 20 bxs.; essential oils: cinnamon (B'bay), 5 cs.; citronella (Bombay), 12 drms.; turpentine (U.S.), 800 brls. (Swe.), 10 cs.; fig syrup (Phila.), 200 cs.; glucose (N.Y.), 2,310 brls.; honey (Calif.), 1,250 cs.; leaves, dry, not described (Fr.), 104 brls.; liquorice root (Fr.), 21 brls.; lithopone (R'dam), 200 cs.; potash (St. John, N.B.), 150 drms. 806 cs.; pot. chlor. (Swe.), 400 cs.; soda nitrate, (Brit. Col.) 113 brls.; (N'way) 34 cs.; sage leaves (Fr.), 35 brls.; spices: cinnamon (B'bay), 542 bbs.; cloves (B'bay), 146 bgs.; pepper (B'bay), 20 bgs.; wax, carnauba (B'zil), 114 bbls.

## London

(May 20 to 26).  
 Almonds, (Port.) 100 cs., (Sp.) 405 bgs., (Sic.) 284 bgs.  
 Barytes (Sp.), 6,520 bgs.  
 Chemicals, etc.: Acetic acid (U.S.), 267 brls.  
 Argol, (Sp.) 67 bgs., (It.) 20 cs.  
 Arsenic (Port.), 106 brls.  
 Bromides: potash (N.Y.), 70 cs.  
 Calc. citr. (Sic.), 175 cs.  
 Citric acid, (Sic.) 16 cs., (It.) 60 cs.  
 Nicotine (N.Y.), 40 cs.  
 Saltpetre (Cal.), 6,778 bgs.  
 Tartar, (Sp.) 96 bgs., (Sic.) 17 cs., (It.) 105 cs.  
 Zinc oxide, (N.Y.) 640 brls., (R'dam) 100 cs.  
 Cocoa butter (Holl.), 205 bbls.  
 Drugs, crude: herbs, not described, (Belg.) 47 bales, (Sp.) 65 sks.; leaves (Fr.), 12 bbls.  
 Benzoin, 52 cs.  
 Cardamoms, (Cey.) 165 cs., (B'bay) 67 cs.  
 Chamomiles (Belg.), 64 bgs.  
 Chaulmoogra oil, (Cal.), 5 cs.  
 Cocculus ind. (Bombay), 50 bgs.  
 Cuttle-fish bone, 222 bbls.  
 Elderberries (Port.), 45 cs.  
 Liquorice (Sic.), 10 cs., 129 bgs.  
 Liquorice juice (Sic.), 30 cs.; paste, 50 cs.  
 Mann (Sic.), 24 cs.  
 Nux vomica (B'bay), 838 bgs.  
 Orange-peel (Sic.), 12 bgs.  
 Papain (Jp.), 2 cs.  
 Sandalwood (Cal.), 199 bbls.  
 Senna (Tinn.), 35 brls.  
 Drugs, medicines, etc.: not described, (N.Y.) 304 cs., (Fr.) 26 cs.; ointment (U.S.), 100 bxs.; bovine (N.Y.), 200 cs.; Fellows' syr. (N.Y.), 480 cs.; vaseline (N.Y.), 3,115 cs.  
 Gums, resins, etc.: gums, not described (B'bay), 1,441 pkgs. 90 cs.; karaya (B'bay), 643 bgs.; lac, button (Cal.), 79 pkgs., gamet (Cal.), 100 bgs., shell (Cal.), 250 cs. 665 bgs.; resin, (Port.) 80 cs., (Sp.) 33 brls., (Fr.) 350 cs.  
 Lithopone (U.S.), 500 brls.  
 Myrabolans (Cal.), 796 pkgs. 2,000 pkts.  
 Oils, essential: 1 not described, (Sp.) 17 cs.; 31 drms., (Sic.) 87 x 1 cs.; lemon (Sic.), 22 cs.; lemongrass, (B'bay), 8 drms. 168 cs.  
 Oils, fixed: coconut (R'dam), 421 brls.;

cottonseed, (N.Y.) 202 brls., (R'dam) 1,502 brls.; olive (Grec.), 20 brls.; palm (R'dam), 1,105 brls.; rape (R'dam), 559 brls.  
 Perfumery (Fr.), 50 cs.  
 Seeds: caraway (R'dam), 230 bgs.; castor (Cal.), 2,319 bgs.; copra (B'bay), 266 bgs.; ground-nuts, (U.S.) 100 bgs. 500 sks., (Ch.) 224 bgs., (W. Af.) 3,180 tons, (Sp.) 300 bgs.; lin (E.I.), 10,749 pkgs.; mustard, (B'bay) 203 bgs., (It.) 425 bgs., (Copenhagen) 60 bgs.; poppy (B'bay), 67 bgs.; rape (B'bay), 19,615 bgs.  
 Spices: ginger (B'bay), 1,783 bgs.; pepper (B'bay), 1,056 bgs.  
 Starch (U.S.), wheat, 15,501 pkgs. 3,416 bxs.  
 Wax, bees' (B'bay) 14 cs. 512 pkgs., (Madras) 144 cs.

## Liverpool

(May 19 to 24).  
 Almonds (Sp.), 1,693 pkgs. 1,765 cs. 519 bgs. 500 bxs. 152 sks.  
 Barytes (Sp.), 4,500 sks. 600 brls. 3,203 bgs.  
 Chemicals, etc.: Antimon. tart. (U.S.), 20 bgs. 6 cs.  
 Tenzoic acid (U.S.), 20 bgs.  
 Bromides (U.S.): ammon., 20 cs.; potash, 20 cs.; soda, 20 cs.  
 Calc. lact. (U.S.), 3 bgs.  
 Lactic acid (U.S.), 280 brls.  
 Lead acet. (N.Y.), 110 bgs. 16 brls.  
 Potash, carb. (Can.), 5 pkgs.  
 Salicylic acid (U.S.), 10 brls.  
 Drugs, medicines, etc.: not described (N.Y.), 167 pkgs.; Fellows' syrup (N.Y.), 1,023 cs.; plasters, medic. (N.Y.), 21 cs.; Sloan's liniment, 500 cs.  
 Drugs, crude: not described, (N.Y.) 26 pkgs., (Sp.) 7 bgs.  
 Anise (Sp.), 3 bbls.  
 Areca (Cey.), 320 bgs.  
 Cardamoms (Cey.), 100 cs. 51 bgs.  
 Cinchona (N.Y.), 183 brls.  
 Ipecac. (M'video), 56 brls.  
 Senna (B'bay), 60 pkgs.  
 Witch-hazel bark (N.Y.), 37 brls.  
 Dyes, dyeing and tanning materials, etc.: aniline dyes, not described, (Fr.) 17 drms.; cutch (Ch.), 1,225 bgs.; tanning extract, (U.S.) 339 brls., (Jam.) 1,668 pkgs., (It.) 100 brls. 400 bgs.; myrab., (B'bay) 2,016 bgs.

Honey (Jam.), 266 pkgs.  
 Glucose (N.Y.), 3,029 brls.  
 Glycerin (N.Y.), 20 drms.  
 Gums, resins, etc.: copal (Ch.), 95 cs.; resin (Fr.) 283 cs., (U.S.) 6,370 brls., (Sp.) 850 brls.  
 Lime-juice (Jam.), 30 pkgs.  
 Lithopone (U.S.), 1,075 brls.  
 Oils, fixed: coconut (Cey.), 754 cs.; cottonseed (N.Y.), 3,097 brls.; olive, (Sp.), 100 brls.; palm (W. Af.), 1,313 cs.  
 Oils, essential, not described, 5 drms. 2 cs.; turpentine, (U.S.) 2,970 brls., (St. John, N.B.) 1,500 brls.  
 Perfumery (Fr.), 19 pkgs.  
 Seeds: cashew (B'bay), 297 cs.; copra, (W. Af.) 394 bgs., (Ch.) 4,015 bgs.; fennel (B'bay), 100 bgs.; ground-nuts, (W. Af.) 1,768 bgs., (B'bay) 3,401 pkgs.; illipe (Ch.) 3,464 bgs.; palm kernels (W. Af.), 205 t. 13,647 bgs.; poppy (B'bay), 457 brls. 25 bgs.  
 Soapstone (Fr.), 209 pkgs.  
 Talc (Fr.), 1,572 bgs.  
 Wax, candelilla (U.S.), 121 sks.  
 Wax, paraffin, (U.S.) 859 brls. 136 bgs., (Ch.) 3,200 bgs.

## Folkestone

(May 17 to 23).  
 Chemicals, not descr. (Fr.), 12 pkgs. perfumery, (Fr.), 74 pkgs.

## Glasgow

(May 16).  
 Almonds (Fr.), 175 bgs., ground-nuts (W. Af.), 1,100 tons. olive oil: (Fr.) 13 cs.; starch, wheaton (U.S.), 2,060 bgs.; turpentine, (U.S.) 3,600 brls.; vaseline (U.S.), 18 cs.

## Leith

Caraway seed (R'dam), 5 bgs.; cevadilla (N.Y.), 37 bgs.; glucose (N.Y.), 270 brls.; tartar substitute, (N.Y.) 123 brls.

## Manchester

(May 19).  
 Acid, lactic, (U.S.) 25 cs.; almonds (Sp.), 1,000 bgs.; calc. carbide (St. John, N.B.), 2,769 drms.; cottonseed (Alex.), 1,170 bgs. 341 tons; starch, wheaton, (U.S.), 1,500 bgs.

## Newcastle

(May 22 to 24).  
 Cod-liver oil (Norw.), 150 brls.

SCIENCE WORKERS' UNION.—A trade union called the National Union of Scientific Workers has lately been formed. It has nearly 1,000 members, and aims at safeguarding the status and conditions of employment of workers in various sciences. An argument adduced for combination alleged that the Government during the war advertised for chemists with University training—offering a salary of 36s. a week.





### The Scottish Pharmaceutical Federation.

SIR,—I have withdrawn my name as a supporter of this scheme, as I do not see my way to become a member, believing, as I do, that the objects of the proposed Federation can be attained through the Pharmaceutical Society, other existing institutions, and the Industrial Council which is being set up by the Society, and that there is now no need for another organisation.

Yours truly,

WILLIAM GILES, J.P.,  
Chairman of Executive, N.B. Branch,  
Pharmaceutical Society.

### British Pharmaceutical Conference.

SIR,—There is every indication that the annual meeting, which will be held from July 21 to July 24, under the presidency of Mr. William Kirby, M.Sc., F.C.S., of Manchester, will be well attended. A number of contributions to the Scientific Section and the Practice Section of the Conference has been promised, and the titles of these papers will be announced in due course. In view of the difficulty in making arrangements for the social programme until a complete list of the number of visitors is available, members of the Conference who propose to attend the annual meeting have been asked by circular to advise us not later than May 17 of their intention to be present. A considerable number of replies to this circular has been received, but any member who has omitted to send us an intimation is asked to do so without further delay. Every attempt will be made to arrange for the accommodation in London of country members if notice is sent to us at once.

HORACE FINNEMORE,  
REGINALD R. BENNETT,  
Hon. Secretaries.

### Registering Apothecaries' Assistants.

SIR,—I have approached several pharmacists in this district regarding the new by-law, and have been gratified to find that they are all prepared to join in any protest that may be made. It is all very well to talk about the "Stalwart Trio," but it is time (if they are going to give a lead) to make a start. I am convinced that if they appealed through the C. & D. to all registered pharmacists to sign a united demand to the Privy Council that this by-law should not be given effect to, the response would be a revelation both to themselves and to the Council as a whole. It is useless to trust to the local Associations as such. We want every pharmacist on the Register, whether retired, employer, or employed. You cannot reach all of them through the Society or its offspring. I could guarantee that if every such person in this country could be approached there would be no lack of volunteers to aid in the work of canvassing. From the tone of letters appearing on the subject it should not be difficult to cover the whole of the country, and this could be done within a few days. If the Privy Council were approached by a deputation bearing the decision of the overwhelming majority of pharmacists the Society's blunder would be rectified. The Council's officials are, and always have been, shortsighted and incompetent muddlers. They have let us into this hole, and to save their faces as much as possible they prefer that pharmacists should swallow the by-law quietly. We have swallowed their blunders until we have become mentally dyspeptic, and I for one, am going to cut the Society from my menu. If pharmacists as a body have any backbone they will *en masse* resign their membership should the Society not fight the Privy Council in this matter. It is our Society; it must be compelled to act in accordance with the desires and in the interests of the majority. Do we want to fight for our rights? Now, you "stalwarts" up and cry, "Who'll keep the bridge with me?" We'll all speak up. Audacity pays. We must not crawl before the Privy Council, but demand that our rights be not infringed. I am glad to see that our employes are banding together. It will mean that in the future, as these employes become absorbed into the ranks of the employers, the benefits derived from collective action and bargaining will be readily obtained. Why wait for them? For lack of collective action we lost our title, and now our very qualification is assailed. We shall get short shrift from the younger generation if we fail them again. It is rather pitiful when one thinks of it. Some 17,000 pharmacists on the Register, and we cannot find a

single leader! . . . We have no use for any but a sturdy and uncompromising fighter as a leader. We want no more secret diplomacy and wobbling jelly-fishes giving all to gain a shadow. If we fight, we shall win. Even though we lost, could we lose more than our officials have lost for us by their cowardice? One question worries me. Who influenced the Privy Council when the Act was framed? Was it certain individuals who at that time were clamouring for cheaper labour? Yours faithfully,

Llanelly.

J. ROSS HENDERSON.

SIR,—There are two points arising out of your last week's issue which deserve further comment. The first is the secret session after the annual meeting, and the second is the reply of the Ministry of Labour to the Boots Association of Assistants. One would like to know why Bloomsbury wished to pretend that there was something decisive about the origins of this by-law which could not be made public. The only thing is that of a supposed threat, that unless we pass the by-law the Privy Council will present a one-clause Bill to Parliament which would admit many more by the back door than is contemplated by this betrayal. Personally, I should like to know who started the "stunt" and what truth there is in it. The Privy Council may be justly incensed over the action of the Pharmaceutical Society in agreeing to a clause in 1908 with its tongue in its cheek. They have a perfect right to ask that Society to make good, and undoubtedly the opportunity has been given it to make good time and again on sane and broad lines. It prefers to make a bargain with a small section representing no one but themselves, satisfying them, but no one else, and settling nothing at all. The second point is really reiterating a truism, but men are so blind. No trade union can admit the rights of a body which is obviously intended to break them. The main principle of their existence is at stake, and admission would mean their subversion. The Trades Union Congress would have something to say if they were so foolish as to acknowledge this Association. Since the unions must decide, and it must be admitted that they have already said "No," it means that all this persistence is only designed to wreck the Industrial Council. If this Association is able to alienate an appreciable number, which does not seem likely, then we must face the logical outcome of a partial success, which means a Trade Board and not an Industrial Council. The answer from the Ministry of Labour is so obviously official in its style that I prefer to leave its interpretation to the common sense of your readers. SIGMA. (91/9.)

SIR,—Under the *nom de plume* of "Disgusted Life-Member," you afforded me the use of your columns to express my criticism of the proposed new by-law dealing with apothecaries' assistants. Your report of the discussion which took place upon these letters at the seventy-eighth annual meeting of the members of the Pharmaceutical Society, on May 21, proved very interesting reading (C. & D., May 24, p. 65). Mr. W. M. Tims and Mr. Ingham have my best thanks and gratitude for bringing forward a real grievance, viz., the denial of the privilege of insertion of a letter in the "Pharmaceutical Journal," intensified by the fact that I am a life-member of the Society. I should like every member of the Society to compare the verbatim report of this discussion in the C. & D. with the report of the same in the "P.J." of last week. The "P.J." report is certainly capable of misconstruction; whilst half admitting the truth, it was very much "cut and dried." It does not need a very wise man to read between the lines and arrive at the only conclusion. So much for the grievance. I should now like to know if we are to believe that the Poisons and Pharmacy Act, 1908, was passed conditionally upon the insertion of the sub-section dealing with Apothecaries' Hall assistants. If this be true of an Act of such questionable benefit, then I say, "What a bargain!" I am deeply interested and concerned in every movement relating to the future of the pharmacist, and I ask all members of the Pharmaceutical Society who have the opportunity to attend the general meeting to be called before this by-law can be made operative, to oppose the new proposed by-law. This is the last chance, and I hope every member will show disapproval and thus reject this unjust measure, which is a retrograde step in pharmacy. Moreover, it is in the interests of the public and the State that this by-law should not be passed. Facilities were never greater or better than to-day for the student desiring to make pharmacy his profession, and the lists of embryo chemists prove that there is no need to fear a dearth of qualified men in the near future. Blur not the pages of pharmaceutical history, my brother pharmacists and colleagues.

Yours faithfully,

Chesterfield.

MALCOLM C. GOLDSTRAW, M.P.S.



SIR,—We seem to be in a peculiar position regarding the admission of unqualified persons to practise as pharmacists. Section 4 of the Poisons and Pharmacy Act, 1908, is obviously permissive and not mandatory. But we are told that in the opinion of certain persons connected with the Privy Council, or who advise the Privy Council, there is a moral obligation resting on the Pharmaceutical Society to pass a by-law to facilitate the admission of unqualified persons, as authorised by the said Act. That is to say, we are to give every facility for putting into operation what we regard as entirely objectionable. And why? Because a threat has been made that some terrible fate will overtake the Society if the Council does not toe the line as demanded. One would like to know precisely who the individuals are who take up that position, and what inspires them to do it. What interest has the Pharmaceutical Society or the general public in Army dispensers or apothecaries' assistants that the law should be strained and orderly arrangements upset in their favour? Every effort should be made to defeat the proposed by-law or to render it nugatory.

Yours, etc.,

D. B. DOTT.

SIR,—I am asked to forward to you the following resolution as passed by the Public Pharmacists' Branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, with a request that you will insert the same, if possible, in your next issue.

Yours faithfully,

FRED HAWKINS,

Organising Secretary.

*Resolution.*

We strongly protest, in the interests of the public safety, against the proposed registration, without examination, of apothecary assistants as pharmacists; and request the Executive Council to send this protest to the Pharmaceutical Society and Press on behalf of the Amalgamated Society of Pharmacists, Drug and Chemical Workers.

SIR,—One or two omissions, having a pronounced and vital bearing on the subject of your editorial article (*C. & D.*, May 17, p. 59), appear to have been made. The first is that a collection of gentlemen forming a Committee investigated, among other things, the question of the suggested by-law, and from the minutes of the evidence submitted it appears that all the heavy artillery of the Pharmaceutical Society was directed towards pulverising the object of the obnoxious clause. Result—verdict in favour of the apothecary's assistant. Not an "archaic" body this, but a Committee appointed by the Government, and comprising some of the best brains of the country. Next, as to this sacred business of a chemist and druggist. No one, to my knowledge, has any hankering after it; rather, individuals who are specifically qualified to exercise their functions in an "open shop," only, seek to leave their legitimate sphere as retailers, etc., of poisons to exercise their functions of dispensing all substances in places other than "open shops," displacing the statutorily qualified dispenser of medicines who hitherto held these positions. Be it remembered that the dictum, based on law and fact, was laid down at that same Committee to the effect that the registered pharmacist was "not specially qualified for dispensing," but considered competent to keep "open shop" for the sale retail and dispensing of poisons. By a Parliamentary outrage on the rights of the "Hall" dispenser by the National Insurance Act, it became necessary to press forward in the direction of the by-law which will come as a fateful Nemesis to the opportunist evil-doers, and constitute a fair *quid pro quo*. "Safety of the public" is the foundation of all pharmacy legislation, and, strange as it may seem, this necessity is, as statistics prove, on a solid basis when in the hands of the apothecary's assistant, even more so than when in the hands of the present elect.

Yours faithfully,

ARION. (163/58.)

SIR,—I have been following this matter with much interest, and now that the proposed regulations have been made public there is something definite to work upon. I should therefore like to make a few criticisms. Section 4 (b) was put into the Poisons and Pharmacy Act with the full knowledge of the Pharmaceutical Society. What is the use of arguing now as to whether or not it should have been included? That should have been settled at the time, not now, more than ten years after the passing of the Act. The fact is that Section 4 (b) exists to-day. That is one definite point which cannot be altered. Some infer that it was never intended to be put into effect. To my mind such a view is ridiculous. Why should an Act of Parliament contain provisions which are not intended to be put into effect? I certainly contend that the mere fact of its being there is sufficient to indicate

that it was intended to be acted upon. It seems that the Privy Council also takes that view, so much so that it intends to have something done. That the by-law is to be put into effect is a second point. The regrettable part about this second point is that the Pharmaceutical Society for more than ten years have persistently refused to put the sub-section into effect, although they have been pressed by the Privy Council and other important bodies, which fact has undoubtedly got them into disfavour. Point 3 is the regulations for putting the by-law into effect. This is the debatable point. Application is to be made before January 1, 1921! If there is much delay in getting these regulations passed, and that seems very likely, there will not be much more than twelve months for all applicants to make their claims. After all, why should any date be fixed at all for application if the date of examination is to be fixed? Certificates must have been obtained prior to December 21, 1908. This will disqualify by a clean cut the vast majority of Hall assistants. This would doubtless create much agitation, and this majority would constitute a potent factor in pharmacy, particularly as organisation is increasing by leaps and bounds. To have been dispensing for seven years immediately prior to the date of application is unreasonably stringent. The effect of this would be to disqualify a person who may have had to leave pharmacy for a period owing to sickness or other reasonable causes. Also the person who has done seven years and more, but not consecutively, immediately prior. Then there is the man who has come forward to fight for his country. This condition would disqualify him. That is unquestionably an intolerable injustice. Of course, against this it might be said that there is a State provision for training ex-soldiers. True, but Section 4 (b) says "Without examination." It is, of course, fair and reasonable that the Pharmaceutical Society should expect evidence of continued service in pharmacy since 1908. I would suggest that the following be more reasonable. "That the applicant shall have been engaged in some branch of pharmacy for seven-elevenths of the period between December 21, 1908, and the date of application, and that persons who have served in or with his Majesty's Forces in the present war should be permitted to count their length of service towards making up the seven-elevenths." I say seven-elevenths because from 1908 to the passing of the regulations will be nearly eleven years, and seven years' service would be guaranteed, but not necessarily immediately prior. This would be much more reasonable, and allow for sickness, etc. Perhaps in addition it might be stated that the three years immediately prior to the date of application should have been continuously devoted to pharmacy, but this should not apply to persons in or with the Forces. Then there is the word "institution." Why should the provisions of the by-law be restricted to these persons? In my opinion these are the persons least likely to be able to perform the functions of a pharmacist. They may know all about their own dispensary and the medical men's requirements there, but it is a totally different thing to be in a retail pharmacy and carry out the duties of a pharmacist. What about the Hall man of prior to 1908, who has served a regular apprenticeship for three or four years with indentures, and has been in the retail trade ever since? I do not wish to suggest that the dispenser in the institution should be left out, but I do consider that the person who has been performing the duties of a pharmacist for a number of years should come first. I agree with the remarks by "Commonsense" generally, except that twenty years is a bit stiff.—Yours faithfully,

SERUM. (163/59.)

SIR,—At the annual meeting of the Pharmaceutical Society (*C. & D.*, May 24, p. 63), I notice at least one member present appears to realise that there are in existence other people with greater claims to registration as chemists and druggists than apothecaries' assistants (who really will be the unqualified retail assistants). The men to whom I refer, and whose claims are undeniable if looked at with an unbiased view, are the legitimate drug-store proprietors and unqualified assistants now in the employ of chemists and drug stores. Surely if dispensers without retail experience are fit and proper persons to keep open shop, then there is no alternative but to give to the so-called unqualified some kind of recognition. There are scores of drug stores in existence to-day whose returns are well over the 2,000% per annum, and I notice that Mr. T. Marns, at the annual meeting, seemed surprised that he had met a drug-store proprietor whose returns averaged 50% per week. There are scores, if not hundreds, of drug stores with similar turnovers. By "drug stores" I mean legitimate drug shops whose existence depends as much on the knowledge of the trade as the average certified chemist's business. Some people say criticism is all very well, but I believe it is necessary if coupled with



healthy suggestions. Therefore I suggest the time is now opportune for the combined efforts of registered chemists and the drug-store proprietors. The first step should be the recognition of all drug-store proprietors with twenty years' experience and proved dispensing efficiency; the second, the formation of a register of drug stores, and the closing up of the ranks so as to prevent the sale of drugs in any other shop. These practical suggestions, in my opinion, are capable of being carried out. The organisation already exists for the carrying out of my suggestions—viz., the Pharmaceutical Society and the Drug Stores Association. By their combined efforts pharmacy would eventually reach its goal, with a separate existence.

Yours faithfully,

RADIX. (166/42.)

SIR,—In common, no doubt, with many others who were not present at the meeting at Bloomsbury Square, I am very sceptical as to the value of the mysterious facts in relation to the by-law for admitting apothecaries' assistants to the Register of Chemists and Druggists without examination, which the President could only reveal *in camera*, and I have little doubt that if they were published they would be found to be as unsatisfying as the statements made in the open meeting. What the ordinary pharmacist, who is not behind the scenes at No. 17, wants to know is what is the nature of the pressure that the Government are always able to bring on the Pharmaceutical Council, so that the Council invariably acts to the detriment of the members of the Society. When you think of the many occasions, such as the Act of 1908, the National Insurance Act, the cost price tariff, etc., and now the by-law for unqualified men, in every case we are requested to give way, and there is no doubt that the Council has definitely decided to sacrifice us in this matter, our only hope being that the members at the special meeting will defeat the by-law by voting against it. The President says it is necessary to make concessions in order to gain something; well, we all know about the concessions, so perhaps he will point out what we have actually gained. It seems to have been a very nice game of "heads I win, tails you lose" on the part of the authorities every time.

Yours faithfully,

SKETCHLE. (166/47.)

SIR,—“Surrender” is surely an order or word unknown to Britishers, especially when rights and principles are at stake. Our heroes have faced unknown dangers, and even death, with their backs to the wall, for honour and rights. Yet, sad to say, that when the absolute rights of pharmacists are in danger, as they are, should this proposed retrograde by-law be passed, and immediately a threat—and so far a threat only—from the Privy Council comes, we pharmacists are advised by the weak and trembling President of the Pharmaceutical Society to put up our hands and surrender. Do we ever hear the presidents of, say, the Miners, Railwaymen, or Transport Workers advising their men to surrender their absolute rights? No! never. And if our President wishes to surrender, he can easily do so by retiring and allowing us to appoint a president whose interests are our interests and who will lead us forward, not backward. In any case, why all this secrecy about this sinister threat from the Privy Council? Surely every member of the Society has a right to know all the facts, especially when we have, as at present, a Council more representative of wholesale than retail pharmacy, and also a Secretary attempting to serve two masters, manufacturers and retailers. Really, it is little wonder that the Society is being discredited by the majority of pharmacists. Unless we unite, organise, and form something backed up by every pharmacist, the position is hopeless.

Yours,

No COMPROMISE. (168/30.)

#### Drug-trade Union.

SIR,—“Xrayser II.” (*C. & D.*, May 24, p. 59) strongly urges the formation of a trade union for our craft. He is suggestive, but not constructive. May I ask my friends Mr. Goldthorpe and Mr. Lyell Johnstone to tell your readers how very near to success our proposed Guild of Pharmacists was a few years back? I am weary of hearing that chemists are a timid folk, lacking in pluck.

Yours faithfully,

HERBERT SCUPHAM.

123 Wilton Road, London, S.W.

SIR,—May I ask you to be good enough to let me say a few words with reference to a letter signed “Manchester” in the *C. & D.*, May 24, p. 70, in which there is a reference to “two watching delegates” from the Employers' Association? It seems that a meeting is referred to at which there were present Mr. James Grier and myself. It is hardly necessary for me to say—as, however, I do most emphatically—that I was not at any meeting as a delegate of any Employers' Association. I shall be exceedingly sorry if my being an honorary member of the Manchester Chemists' Assistants' Association in any way prejudices pharmaceutical assistants against co-operating with the said Association in their most excellent endeavour to promote the true union of them all. My interest in the Assistants' Association is, and always has been, absolutely disinterested as far as aims are concerned; my attendance has been in some measure a manifestation of my gratitude, because my first footing in pharmaceutical affairs was provided by my membership in its early days, and my attendance at the meeting in question was due to the fact that I believe that all those who hold the pharmaceutical qualification, or hope to hold it, ought to regard that qualification as their most valuable asset, and they ought by all means to repel every attempt to bring it down to the level of those who are unqualified. Your correspondent “Manchester” is, I think, inspired by an animus which can only proceed from a consciousness that he has failed to bring himself within the pharmaceutical pale. Without discussing the merits of the rival schemes now before the country for the amalgamation of the pharmaceutical employees, I would only remark that the idea of their uniting their forces with other workers in the hope that the pharmaceutical platform will be the accepted one reminds me of the tale of the old lady who had a canary which was a beautiful singer. Influenced by pity for the poor chirping sparrows in her garden, she placed her canary in its cage in the garden, with the laudable hope that it would succeed in teaching the sparrows how to sing. Her disgust may be imagined when in a few weeks' time she found that the sparrows were still chirping and her canary was doing likewise!

Believe me, yours faithfully,

WILLIAM KIRKBY.

Manchester.

SIR,—Careful perusal of your correspondence columns the last few weeks, coupled with impressions received from assistants in various parts, has led me to the conclusion that unless there is a change the organisation of the chemists' assistants sufficiently well to be of any value on an Industrial Council is doomed to failure. In the first place, we have the “private” assistant pulling against the “company” assistant, and *vice versa*, all of them forgetting that they are pharmacists first and that the needs just now are not the personal needs of any individual but the needs of the trade as a whole. In the second place, we have several unions or associations each claiming to be the first and only organisation which will fulfil the necessary requirements of the Industrial Council, the total result being wasted efforts and an accumulation of bad feeling. May I also remind your correspondents that anonymity may be very convenient, but nobody attaches any importance or weight to a letter the author of which is afraid to sign his own name. Surely, if the opinions stated are worth the room which they occupy, they are worthy of being owned to. I would appeal to you, Sir, to throw all your weight on the side of unity. Union is strength, we all admit, but very few people seem capable of carrying that axiom into practice. It should be a simple matter for all assistants to sink their own differences and stand solid for pharmacists' assistants as a whole, and it would then be a far simpler matter for the various unions to come to a definite agreement to sink their own squabbles and unite to form to the outside world a solid amalgamation of all the assistants of this country. It is only by doing this that we shall gather enough weight and solidity to obtain, first of all, adequate representation on the Industrial Council, and, secondly, be powerful enough to do anything when we get there.

Yours, etc.,

J. M. JOHNSON.

Harborne, Birmingham.

### Subscribers' Symposium.

#### Photographic Developing and Printing.

*Photo-Pharmacist* (161/29) writes: Having an increasing number of films to develop and print, I should be glad to know if any brother pharmacist has any time-saving methods and is generous enough to pass them on.

#### Tousled Hair.

*J. H. B.* (168/26) writes: “A lady customer of mine has had rather an unfortunate experience. After washing her hair with ordinary soap in water with a little washing soda added, she rinsed it in water containing a liberal supply of jaborandi hair-tonic with quinine, camphor, etc. Immediately she felt the hair shrivel up and become tangled into a knot. She tried the effect of ammonia, paraffin oil, methylated spirit, and dilute sulphuric acid to the hair, without result. At last she decided to have it cut off. Can you explain this?”



## Legal Queries.

*J. B. R.* (158/57).—The Nova Scotia Pharmacy Board does not accept the certificates of other examining bodies in lieu of the Qualifying examination, which is conducted under the Pharmacy Act, 1876.

*S. J. W.* (162/9).—If the qualifying word you use before "corn leaf" is a trade-mark, you neutralise the effect of the "P.F." disclosure and take the article out of the exemption allowed to it as a "known, admitted, and approved remedy."

*Salol* (144/70) wishes to know if he can prepare a meat-and-malt wine containing port wine for sale by retail without licence, or if such a licence is required, should application be made for it to the Excise or to the police. The firm have at one of their branches a full wine-licence to sell in bottle only, and the meat-and-malt wine would be sold only at the licensed premises. [What further licence, if any, would be necessary would depend upon the composition of the meat-and-malt wine. If this is to be made from British wine, which is technically known as "sweets," a sweets manufacturer's licence might have to be obtained, costing 5*l.* 5*s.* yearly, from the Excise. The wine when made could be sold under "Salol's" wine-licence subject to the conditions under which the foreign wine is sold. If the meat-and-malt wine is to be made from foreign wine, this can be done without any sweets-maker's licence being taken out, and it may be sold without any further wine-licence at the licensed premises; but it has to be kept in mind that a preparation of this kind cannot be sold under the name of foreign wine, as to do so would be an offence under the Food and Drugs Acts. We think that "Salol" ought to apply to the local surveyor of Customs and Excise stating what is to be the precise composition of the article, and supplying him with a sample, so that the Board of Customs and Excise may, after having it analysed at their laboratory, settle as to what, if any, Excise licence should be taken out to manufacture or sell this product.]

*B. P.* (156/41) wishes to know what, if any, restrictions are now in force prohibiting the sale of rectified spirits of wine to others than qualified chemists and medical practitioners. He holds the ordinary 10*l.* licence to sell spirits which is issued to wholesale druggists. He also asks if drug-store proprietors and herbalists can purchase such spirits for medicinal preparations or purposes, and, if so, must they give any guarantee as to the use to which the spirits are to be put. [Restrictions are in force under the Immature Spirits Restriction Act, 1915, on the delivery of spirits for home consumption which have not been warehoused for at least three years, but these do not apply to spirits delivered to a manufacturing chemist or to a manufacturer of perfumes for use in their manufactures; and the Act does not interfere with the supply of rectified spirits of wine for the purpose of making medicines to registered medical practitioners, to hospitals, or to firms or bodies entitled to carry on the business of a chemist and druggist. "B. P." can only sell under his licence to duly qualified medical practitioners or duly registered chemists and druggists, or to persons requiring the spirits for use for scientific purposes in a laboratory. If the drug-store proprietor or herbalist is in fact a manufacturing chemist, he can, on payment of the immature spirits duty and compliance with the conditions imposed by the Board of Customs and Excise, obtain immature spirits for use in manufacturing medicines (*e.g.*, tinctures) and perfumes. Application should be made in writing to the local Surveyor of Customs and Excise. If the Board grant this, a book of requisitions will be supplied to applicant to be used for getting supplies.]

## Miscellaneous Inquiries.

*F. C. G.* (Vancouver) (141/60).—(1) NON-FREEZING SOLUTION FOR RADIATORS.—The best non-freezing solution to employ in motor-car radiators is made by dissolving various percentages of calcium chloride in water. A 10-per-cent. solution freezes at  $-5.9^{\circ}\text{C}$ . 16-per-cent. at  $-12.2^{\circ}\text{C}$ . and 20-per-cent. at  $-18.6^{\circ}\text{C}$ . (2) SOOT-REMOVING FROM CHIMNEYS.—The chimney-cleaning powders which we have examined consisted of a mixture of common salt and sulphur, sometimes coloured with Armenian bole or indigo. We do not think the powders are of much use for the purpose.

*J. M.* (160/55).—REMOVING DEVELOPER-STAINS from fingers.—The usual method is to rub citric, tartaric, or oxalic acid solution into the stains, with or without the addition of alum. Some persons advocate the use of weak caustic soda solution, which is stated to render soluble the matter which is causing the stain.

*Organic* (259/30).—BOOKS ON ORGANIC CHEMISTRY.—Barnett's "The Preparation of Organic Compounds" (Churchill, 8*s.* 6*d.*) is the kind of book you require for details of the manufacture of many organic compounds. These, as a rule, only refer to the manufacture on a small scale. Thorpe's "Dictionary of Applied Chemistry" (Longmans, 5 vols., 11*l.* 5*s.*) gives many of the particulars you require. It can generally be consulted at reference libraries.

*Owl* (65/29).—Stopes' "Married Love" (Fifield, 5*s.*) would suit you, we think.

*Gentian* (91/21).—PILOCARPINE HAIR-WASH.—The quantity of pilocarpine nitrate recommended in Martindale's "Extra Pharmacopœia" is two grains to the ounce, but weaker preparations are employed with a certain amount of success. The lotion has a tendency to restore the colour of grey hair, and this is assisted by the addition of a small proportion of tincture of cantharides.

*W. B. P.* (160/25).—SAFETY MATCHES.—The type of safety match which was first made by Bryant & May many years ago has the oxidising mixture on the match-sticks and red phosphorus on the box. The red phosphorus is mixed with powdered glass and colouring matter. The oxidising mixture used for tipping the matches may consist of antimony sulphide, potassium chlorate, and powdered glass. Glue is used as the adhesive agent for the rubbing surface.

*Jack* (158/50).—POLLEN TREATMENT OF HAY-FEVER.—The pollen-toxin is prepared by grinding dried pollen from the plants to which hay-fever subjects are sensitive with saline solution, incubating the liquid for twenty-four hours, centrifugalising, and using the clear liquid as an injection. The pollen-toxin is afterwards standardised, a pollen-unit being the soluble protein contained in 0.000001 gram of dried pollen. Allen & Hanburys, Ltd., prepare a pollen-toxin in several strengths, from 5 to 5,000 units, as the sensitiveness of hay-fever patients varies considerably and has to be discovered by the eye-test. The pollen-toxin is administered at intervals of ten to fourteen days.

*C. H. W.* (164/74).—SOLIDIFIED EAU DE COLOGNE.—This is managed by forming a soap in the eau de Cologne by heating the spirit in a closed vessel, with proper precautions, for about an hour, after having added stearin and sodium carbonate. The proportions are: Eau de Cologne, 95 parts; stearin, 4.5 parts; sodium carbonate, 0.5 part.

*S. R. W.* (162/54).—(1) LIQUID DRY SHAMPOO.—See *C. & D.*, May 24, p. 72. (2) HONEY AND FLOWERS for the hair:

Castor oil	...	...	...	5 <i>ij</i> .
Almond oil	...	...	...	5 <i>vj</i> .
Bergamot oil,				
Lemon oil, of each	...	...	...	mx.
Clove oil,				
Lavender oil, of each	...	...	...	iv.
Essence of violets	...	...	...	5 <i>j</i> .
Rectified spirit (64 o.p.) to	...	...	...	5 <i>x</i> .

Mix.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1869.

### Utilising Lime-juice.

The largest landowners in Montserrat are the Messrs. Sturge, of Birmingham. They have invested considerable sums of money in the reclamation of abandoned estates, and by their success and industry other proprietors are stimulated to exertion. This firm have extensively embarked in the cultivation of the lime-tree; and this branch of the undertaking, I am informed, is both promising and remunerative. The lime-juice which is yielded is exported, both in its raw state, for the use more especially of the royal navy and the mercantile marine, and in a concentrated form, to be converted by chemical process in England into citric acid. There is every reason to anticipate that there will continue to be a ready market for this kind of produce, and that ultimately it will prove a source of wealth to the country. It is a species of trade which is capable of high development, and the lime-tree flourishes remarkably well in this island.



# THE DICTIONARY DISCOVERS A NEW WORD.

Great Lexicographer Helped by Authors and Men of Action.

A distinguished lexicographer has before him for analysis a new word, and so, with the industry characteristic of his profession, he is trying to find out exactly what it means.

The new edition of the world-famous dictionary he is editing is nearly ready for the press. He is considering for publication all sorts of words which the last few years have made English, such as "camouflage," which a French dictionary describes as "a whiff of smoke," but which the war has made to mean "a form of disguise."

"Stunt," too, is occupying his attention, and "joy-ride"; and "Blighty" and "napoo." And also he has spent some time in investigating the newest educative system in order to find out exactly how to describe the magic word

## "PELMANISM."

*How would you describe it?* Several famous people were asked at random the other day, and this is what they said:

**MR. GILBERT FRANKAU,**  
*the eminent novelist and poet:*

"A system of thought education, much in vogue during the great war. Its inventors claim that their system enables the average mind to triumph over the things that matter."

**MR. GEORGE R. SIMS,**  
*the well-known journalist and playwright, who enjoys the reputation of being Britain's most prolific writer:*

"The name applied to a system of mind and memory training, which develops the mental faculties to the fullest capacity and enables those who follow it assiduously to obtain A1 efficiency as combatants in the battle of brains."

**MR. SPENCER LEIGH HUGHES, M.P.**

"A cure for that tired feeling in the mind, teaching the flabby-minded and sloppy-thinking how to become alert and accurate, really to see what they look at, to hear what they listen to, to appreciate the value of that which is seen and heard and to make use of it. Pelmanism does not teach one how to look through a brick wall, but it trains one to be able to know pretty well by analysis and imagination what must be going on on the other side."

**MR. N. PEMBERTON BILLING, M.P.**

"Pelmanism—Cerebral Calisthenics."

Kipling once said something about the power of the Word—the live, masterful word that walks about and causes things to be done

There is one word which is doing this at the present moment. That word is Pelmanism. You meet it wherever you go. It is the topic of the hour.

One morning paper tells us about Pelmanism at breakfast-time. It takes up, in reading matter, more space than the Peace Conference. A second journal takes "The Progress of Pelmanism" as the subject of its leading article, and, on another page, at the foot of some topical notes, prints some verses telling all

... wise  
Readers be sure and Pelmanise."

A leading review contains a correspondence on what Pelmanism is, and "One of Them," the poem-novel in which Mr. Frankau has satirised the phases of the war, contains the lines:

"Turned a bleary-eyed pauper to a swell man  
In six sharp weeks of concentrated Pelman."

Then the post brings a soldier's letter from the Army of Occupation in Germany. "You will be glad to hear," it runs, "that I have just been promoted. I attribute this entirely to the Pelman Course you enrolled me for last Christmas. It's the best present I've ever had. Lots of our fellows are Pelmanising out here. It's the best cure for that 'fed-up' feeling we are all apt to get while waiting for the return to good old civvies."

At the office there is a vacancy on the staff. On your desk is a pile of cuttings from the "small advertisements." A very ordinary lot seemingly—nothing to distinguish one from another. But what is this?

Young man. Just demobilised. Desires position as clerk. 23 years of age. Shorthand. Book-keeping. Pelmanised brain. Bright, energetic, and trustworthy. This is something different. "A Pelmanised brain." Just what is needed. You drop a line and ask him to call.

You lunch with a friend. "How do you remember all your orders?" your friend asks the smart and busy waitress. Back, with the inevitable smile, comes the inevitable answer, "Pelmanism, sir—just Pelmanism."

Over coffee you pick up the illustrated papers—"Punch" and two others. Each refers to Pelmanism. Two make it the subject of illustrations: one of an article.

Later, at the club, a barrister-friend strolls in. "Have you heard Darling's latest?" he asks, speaking of a Judge famous for his wit and his erudition. Then he tells the story of how the famous Judge, hearing evidence of a "highly-British compound which has made certain great men what they are," remarked:

"I thought that was Pelmanism."

Nor is that the only phrase of the kind Mr. Justice Darling has used. "I believe there is a system by which you can become a General or an Admiral in a very short time," he said in another case. This time he left the word Pelmanism out. What he meant was too obvious.

A political friend joins the group. He is standing for Parliament, and hands round a copy of his election address. There is the word again. Among his many qualifications he states that "I am a Pelman student."

After an animated conversation on the subject of Pelmanism you leave the club and go to a theatre. You see Arnold Bennett's witty play "The Title." The acting is excellent, the dialogue sparkling, and it is like meeting an old friend to hear:

Mr. Culver: "I believe I've found out your secret, Mrs. Culver—you're undergoing a course of Pelmanism with those sixty generals and forty admirals."

You remember, too, that on a previous night at the Palace revue, "Hullo! America," Pelmanism was the subject of a skit in a topical sketch.

And so home, as Pepys would say, and, after the usual half-hour with the "Little Grey Books"—to bed.

All the above facts, and you could quote a thousand more, have made the three words "Pelmanism," "Pelmanist," and "Pelmanise" the current coin of speech. Distinguished authors, editors, professors, educationists, scientists, members of Parliament, and public men continually advocate the practice of Pelmanism in articles and speeches.

Other articles show the rapidly increasing popularity of Pelmanism among all classes of the community. Pelmanism is the topic of the day, and not only in this country, but all over the world.

It is a World-Topic, and everywhere it makes for World-Welfare.

## 44 EDITIONS!

World's Most Widely-Read Book.

"Mind and Memory"—which tells all about Pelmanism, what it is and what it does—is now in its forty-fourth edition!

More than three million copies of this booklet have been supplied to people who have written asking for it!

You should read "Mind and Memory." Only by getting this booklet and the literature which accompanies it can you come to a full realisation of what Pelmanism means to you. Write for it to-day, to the Pelman Institute, 313 Pelman House, Bloomsbury Street, London, W.C. 1. By return you will receive a copy of "Mind and Memory," a reprint of "Truth's" famous Report on Pelmanism, and particulars showing how you can enrol for a Course of Pelmanism at a reduced fee.

Then you will begin to know that you need Pelmanism—that Pelmanism is your road to success that you cannot afford to neglect it.





Registered Trade Mark.

# Vitafer

in Youth, Manhood and Age.

GOLD MEDAL.



Congress of Medicine, London 1913.

*The value and utility of Vitafer as a Tonic Food, under any and all circumstances, is well illustrated by the following letters recently received*

## FROM A CLERGYMAN:

March 7, 1919.

"I gave Vitafer regularly to a grandson, aged 12. He came here six months ago a perfect wreck, unable to sleep, constant headache, unable to concentrate his mind, and generally run-down.

After taking Vitafer for three weeks he improved in weight, had a healthy appearance, and a return of physical energy. He is now fat and rosy, and able to do lessons like other children—the change is wonderful."

## FROM AN OFFICER

of the Army of Occupation, in the prime of life, suffering from physical and mental overstrain.

May 6, 1919.

"Vitafer seems a most remarkable preparation from the effects produced by even the small quantity already taken. I feel sure it is exactly what I needed to counteract the inevitable *post-bellum* reaction."

## FROM A M.R.C.S.:

May 4, 1919.

"I think your Vitafer a very good preparation indeed. I have given some to an old lady, aged 89, and she has derived considerable benefit from it. In fact, she was so debilitated after Bronchitis and Dyspnoea that everyone thought she would die, but now I think she is going to remain with us for some time longer."

THESE LETTERS ARE BUT TYPICAL OF THE VOLUNTARY TESTIMONY WHICH IS CONSTANTLY REACHING US FROM MANY DIFFERENT SOURCES.

*We invite Pharmacists to co-operate with us in our present advertising campaign by bringing Vitafer forward in their Pharmacies, either in the Window or on the Counter. SHOW-CARDS, COUNTER STANDS, and all necessary material sent free of charge.*

DETAILS OF WINDOW-SHOW PARCELS (£5 and £10), SHOWING PROFIT OF 76% ON CAPITAL OUTLAY, OR 43% ON SALES, ON APPLICATION.

**Southall Bros. & Barclay Ltd., Birmingham.**



# Important Trade Notice.



THE CLAYTON ANILINE COMPANY, LIMITED, beg to announce that, as a result of recent negotiations, the Sales of the well-known "Ciba" Brand Pharmaceutical Products hitherto carried on by The Saccharin Corporation Ltd., 36/37 Queen St., London, E.C. 4, will in future be transferred to them; the transfer taking effect on June 2, 1919. Thereafter, and in order that no delay shall arise in the execution and dispatch of orders, the Clayton Aniline Company would be glad if all correspondence and instructions of every kind were addressed as follows:—

THE CLAYTON ANILINE CO., LTD.,

*Pharmaceutical Department,*

68½ UPPER THAMES ST., LONDON, E.C. 4

The continuance of the business relationship accorded to the above Corporation during the past difficult years is respectfully solicited. Conjointly with this important addition to their extensive business will be established a department dealing exclusively with Pharmaceutical and Photographic chemicals, and inquiries for these are cordially invited. They also carry the "CIBA" brand—a sufficient guarantee for *Purity and Reliability*. A representative will call as soon as possible to receive and give particulars.

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*A few popular "Ciba" Brand Products:*

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Genuine "Ciba"  
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# Chloride of Lime

Specially prepared for household use in  
PACKETS, TINS, and BOTTLES.

We have now completed our arrange-  
ments for 1919 season's trade, and can  
give immediate delivery.

Acetic Acid,  
Chlorates of Potash and Soda.

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Cunard Building, LIVERPOOL.

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ALSO  
QUINIDINE  
CINCHONINE  
CINCHONIDINE } AND  
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AND  
**SUGAR-COATED QUININE TABLETS**

MANUFACTURED BY  
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Telephone No.: Avenue 2220.

Telephone:  
Centre 338.

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**CHARLES LANE & SONS**  
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**ACID ACETIC**  
GLACIAL, 80 % PURE, 80 % TECH.  
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FORMALDEHYDE 40 %

BENZOIC ACID

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*Fine Pharmaceutical and  
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CHEMICAL WORKS,  
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Chloral Hydrate

Salicylate of Soda

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Glycerophosphates of

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Sodium (Solution 75 %), Iron,  
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**GILL & DUFFUS,** and  
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SOLE MANUFACTURERS:-

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## ASPIRIN TABLETS.

Every tablet guaranteed to contain 5 gr.  
PURE ASPIRIN, B. P., m.-p. 135.5,  
as supplied by us on contract to Allied  
armies. Packed for the trade, in unlabelled  
bottles as follows:-

**25s—4/6 per doz. 50s—8/3 per doz. 100s 14/9 per doz., bulk 8/9 per 1000**

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ASPIRIN, B.P., superfine quality, 7/6 per lb. Special quotations for quantities. Send for samples.

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ROYAL  
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**DOES  
NOT  
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SCHEDULED  
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*Sole Manufacturers of***JUBOL****RE-EDUCATION OF THE  
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Indigestion, Skin Blemishes, &c.

Price 5/- per box.

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SOLVENT.**Rheumatism, Gout, Arterio-sclerosis,  
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Price 11/- per bottle.

**SINUBÉRASE****SCIENTIFIC PREPARATION OF  
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Antiseptic for local Gynecological use.

Price 4/- per box (powder)  
" 5/- " (tablets)**FILUDINE****SPECIFIC FOR THE LIVER.**Malaria, Diabetes, Cirrhosis, Sluggish  
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**ASPIRIN**PURE ENGLISH  
**ACETYL-SALICYLIC ACID, B.P.**

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Free from SALICYLIC, ACETIC,  
TARTARIC, and CITRIC ACIDS,  
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and adulterants.The complete purity of our product, combined with its  
beautiful physical state and well-crystallised condition,  
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Supplied in Wholesale Quantities only.***PICKARD, IVE & RANKIN, LTD.,**  
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Phone: 4500 Park. Telegrams: "Pickiveran, Norkens."**EPSOM SALTS***Druggist & Commercial Qualities.***ZINC SULPHATE***(White Copperas).***ZINC CHLORIDE***Fused, Granulated and Liquid.***GLAUBER'S SALT****PROMPT & FORWARD DELIVERIES.****INQUIRIES SOLICITED.****William Blythe & Co., Ltd.**

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Aloes (Curacao and Cape), Aniseed, Balsam Tolu, Block Juice, Cardamoms, Castile Soap, Colocynth Pulp, Dandelion Root, English Belladonna Leaves, Gentian Root, Gum Tragacanth, Irish Moss, Japanese Isinglass, Licorice Root, Marshmallow Root, Orange Peel, Orris and Senega Roots, Quassia Chips, Quillai (Bark and Cut), Rhubarb, E.I., all grades, Sarsaparilla, Scammony Root, Senna Leaves and Pods, Squills, Sulphur Flowers, &c. Oils of Eucalyptus, B.P., Lemon, Orange, Bergamot, Cassia & Peppermint (Jap.).

(Kindly write for price list.)

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Crude Drugs, heavy and light  
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ANISEED OIL  
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**SALICYLIC ACID,**  
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**Fine Chemical Manufacturers,**  
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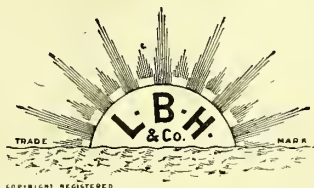
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Works: Old Swan 413. } Telegrams: "Salol Liverpool."



**Alliance Drug & Chemical Co., London.** Offices : 34 Leadenhall Street.NOTE.—Only terms, Net Cash with order without discount, or orders accepted through London Merchants or Bankers.  
Goods carriage forward; all packages free; Export cases extra.

- A**cetamide, B.P. 1 lb. @ 3/9 lb.; 7 lbs. @ 3/4 lb.; powder, 1d. lb. extra.  
**Acet.** Ipecac., B.P., 6 lbs. @ 2/3 lb.  
 Scilla, P.B., 6 lbs. @ 8d. lb.  
 Acetylo-Salicyl. 1 lb. @ 7/- lb.  
 Benz., B.P., 1 lb. @ 14/6 lb.  
 Boric Pulv., 3 cwt. @ 85/- cwt.; 1 cwt. @ 86/6 cwt.  
 Carb. Xtls., 39/40; 56 lb. drums @ 11½d. lb.; 12 1-lb. Bots. @ 1/3 lb.; Single Bots. @ 1/5 1b.; Detached Cryst., 1 lb. @ 2/11 lb.; Crude Black, 45 gall. casks @ 2/2 gal.; 5 gal. drums @ 2/10 gall.; 1 gall. tins @ 3/6 each.  
 Citric, cryst. B.P., 85, 7 lbs. in bags @ 4/11 lb.; powder, 1d. lb. extra.  
 Diethylbarbituric, 1 oz. @ 5/6 oz.  
 Gallic, pur., P.B., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.  
 Hydrobrom. 6 lbs. @ 1/9 lb.  
 Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.  
 Oxalic Cryst., 1 cwt. @ 1/9 lb.; 14 lbs. @ 1/10½ lb.  
 Phosph. Dil. B.P., 6 lbs. @ 7d. lb.  
 Salicyl. pulv. 1 lb. @ 2/9 lb.  
 Sulph. Aromat. B.P., 5 lbs. @ 5/6 lb.  
 Tannic, B.P., 1 lb. @ 9/6 lb.  
 Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/9 lb.; parv. 1d. lb. extra.  
**Aloes**, Barb., English-ground, 28 lbs. @ 185/- cwt.; 7 lbs. @ 1/9½ lb.  
**Aloes**, Socot. 7 lbs. @ 2/4 lb.; powder 7 lbs. @ 2/8 lb.  
**Aluin**, B.P., 1 lb. @ 7/6 lb.  
**Ammon.** Benz. 1 lb. @ 23/6 lb.  
**Ammon.** Brom. P.B., 7 lbs. @ 3/9 lb.  
**Ammon.** Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs. @ 10d. lb.; 7 lbs. @ 10½d. lb.; powder 1d. lb. extra.  
**Ammon.** Chlor. 99% pulv. 1 cwt. @ 80/- cwt.; 7 lbs. @ 9½d. lb.; Batteries, 6/- cwt. extra.  
**Aniseed**, English ground, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/4 lb.  
**Antim.** Nig. Pulv., 7 lbs. @ 11d. lb.  
**Antim.** Tart. Pulv., 7 lbs. @ 4/- lb.  
**Apiol**, 1 lb. @ 40/- lb.  
**Aqua** Anethi Conc. 1-40, 1 lb. @ 9/6 lb.  
 Anisi Conc. 1-40, 1 lb. @ 9/- lb.  
 Aurant. Conc. 1-40, 1 lb. @ 12/6 lb.  
 Aurant. Trip. 6 lbs. @ 1/- lb.; 53 lbs. for 45/-  
 Cinnam. Conc. 1-40, 1 lb. @ 10/6 lb.  
 Laurocerasi, 6 lbs. @ 1/1 lb.  
 Menth. Pip. Conc., 1-40, 1 lb. @ 8/9 lb.  
 Rosæ Conc. 1-40, 1 lb. @ 14/6 lb.  
 Rosæ Trip., 53 lbs. for 50/-; 6 lbs. @ 1/1 lb.  
 Samb. Conc., 1-40, 1 lb. @ 14/- lb. [1 lb.]  
 Samb. Trip., 6 lbs. @ 1/- lb.  
 Argent. Nit., 6's to oz., 25 oz. @ 4/5 oz.; 1 oz. @ 4/6 oz.  
 Argent. Nit., Cryst., 25 oz. @ 4/4 oz.; 8 oz. @ 4/5 oz.  
 Arsenic, Alb. Pulv., 2 cwt. @ 120/- cwt.; 7 lbs. @ 1/3 lb.  
 Atropinæ Sulph., P.B., 1 oz. @ 97/6 oz.  
**B**als. Copaibæ, pure, 44 lbs. @ 5/- lb.; 9 lbs. @ 5/3 lb.; 1 lb. @ 5/7 lb.  
 Peruv., P.B., 1 lb. @ 22/6 lb.  
 Sulphur, 7 lbs. @ 2/6 lb.  
 Tolutt. B.P., 50 lbs. @ 7/6 lb.; 1 lb. @ 8/3 lb.  
 Bismuth Salicyl., 1 lb. @ 18/6 lb.  
 Boracic Mixture, 1 cwt. @ 100/- cwt.  
 Borax, 1 cwt. @ 49/-; powder 1/- extra.  
 affeine, P.B., 1 lb. @ 44/6 lb.  
 Caffeinæ Cit. B.P., 1 lb. @ 30/- lb.  
 Calamina, powder, fine pink, 5 cwt. @ 37/- cwt.; 1 cwt. @ 39/6 cwt.; 7 lbs. @ 5d. lb.  
 Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.  
 Calcii Carb. Præcip., 5 cwt. @ 28/6 cwt.; 1 cwt. @ 32/- cwt.; 28 lbs. @ 36/- cwt.  
 Hydras., P.B., 1 cwt. @ 38/6 cwt.; 7 lbs. @ 6d. lb.  
 Hypophosph. Pur., P.B., 1 lb. @ 5/- lb.  
 Iodid., 1 lb. @ 21/- lb.  
 Camphor, English Flowers, "not artificial," 5 lbs. @ 10/6; ½ or ¼ oz. 7 lbs. @ 11/3 lb.; good white, about 95% as imported, 140 lbs. @ 1 lb.; 28 lbs. @ 1 lb.  
 Capsicine, soluble, 1 lb. @ 12/- lb.  
 Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 30/- cwt.; 28 lbs. @ 3½d. lb.  
 Gardamoms, 28 lbs. @ 3/9 lb.; 7 lbs. @ 4/- lb.  
 Carmine, Finest, 1 lb. @ 40/- lb.; No. 2, 1 lb. @ 1 lb.  
 Cera Alb., B.P., White Moons, 28 lbs. @ 2/10 lb.  
 4 lbs. @ 3/- lb.; 1-lav. 1 lb. Blocks, 28 lbs. @ 2/5 lb.; 4 lbs. @ 2/6 lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 2/7 lb.  
 Cerii Oxalates, 1 lb. @ 6/6 lb.  
 Cetaceum, No. 1, fine white, 64 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.; powder, 7 lbs. @ 2/- lb.  
 Chloral Hydras Cryst., B.P., 7 lbs. @ 8/9 lb.; 1 lb. @ 9/3 lb.  
 Chlorodyne, 5 lbs. @ 4/6 lb.  
 Chloroform, pure, B.P., 12 8-lbs. @ 4/6 lb.; 8 lbs. @ 4/8 lb.; 6 1-lb. bots. @ 4/11 lb.  
 Codeina, 1 oz. @ 32/- oz.; Phosph., 1 oz. @ 28/6 oz.; Hydrochlor. or Sulph., 1 oz. @ 28/6 lb.; Apple, English ground, 1 cwt. @ 2/6 lb.; 28 lbs. @ 2/8 lb.; 7 lbs. @ 2/9 lb.  
 Cream of Tartar, 98% powder, 1 cwt. @ 265/- cwt.; 7 lbs. @ 2/8 lb.  
**D**ec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/6 lb.  
 Sinecroco, 6 lbs. @ 1/9 lb.  
 Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 2/8 lb.  
 Senegæ Conc. 6 lbs. @ 5/- lb.  
**E**mp. Spread, 12 yards x 16 ins. adhesive, 13/-; Bellad., B.P.C., Green @ 37/6; Cerat. Saponis @ 14/-; Picis Co. @ 14/-; Plumbi @ 14/-; Resinæ @ 10/6; Roborans @ 14/-; Saponis, B.P., @ 14/-  
 Emp. Picis, P.B., 7 lbs. @ 2/6 lb.  
 Plumbi P.B., 7 lbs. @ 2/3 lb.  
 Resinæ, P.B., 7 lbs. @ 2/3 lb.  
 Roborans, 7 lbs. @ 2/3 lb.

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

**L. B. HOLLIDAY & Co., LTD., HUDDERSFIELD, ENGLAND.**

ARE MAKING AND CAN GIVE PROMPT DELIVERIES OF:—

SALICYLIC ACID, B.P.  
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 (ASPIRIN)

Finest Quality  
 Best Appearance  
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TARTRAZINE  
 AURAMINE II.  
 METHYLENE BLUE, Z.F. CONC.  
 METHYLENE BLUE (Medicinal Quality).

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SALES DEPARTMENT.  
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 HUDDERSFIELD, ENGLAND.

TELEPHONE: 334 HUDDERSFIELD (4 LINES).  
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# HUBBUCK'S PURE OXIDE OF ZINC.

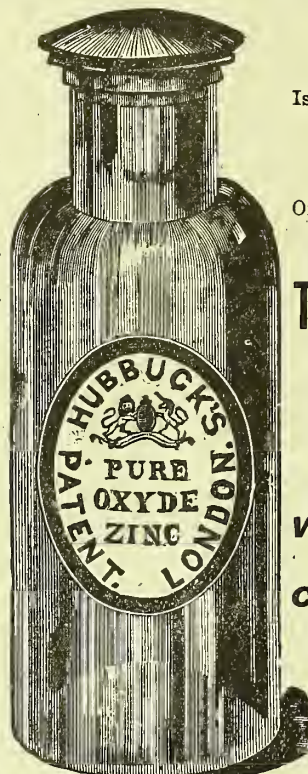
Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

Allen & Hanburys (Lim.)  
Ayrton, Saunders & Co. (Lim.)  
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Bell, Jno., & Co. (Lim.)  
Bleasdale (Lim.) (Lim.)  
Boots' Pure Drug Co.  
British Drug Houses (Lim.)  
Burgoyne, Burdidge & Co.  
Butler & Crispe  
Clay, Dod & Co.  
Cockburn & Co. (Lim.)  
Corbyn, Stacey & Co.  
Dakin Brothers. (Lim.)  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
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Ferris & Co.  
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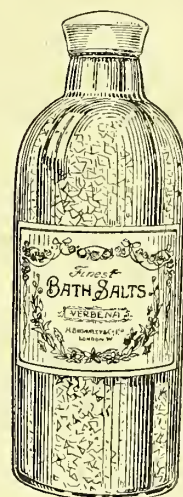
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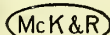
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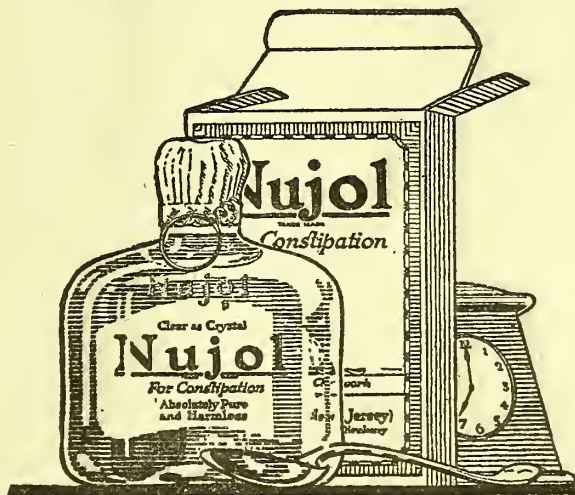
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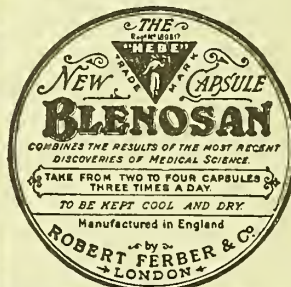
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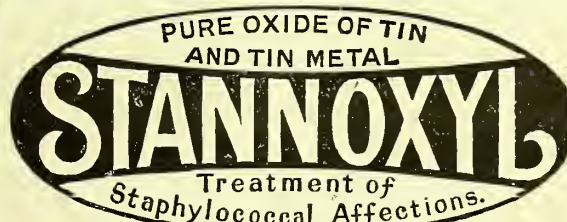
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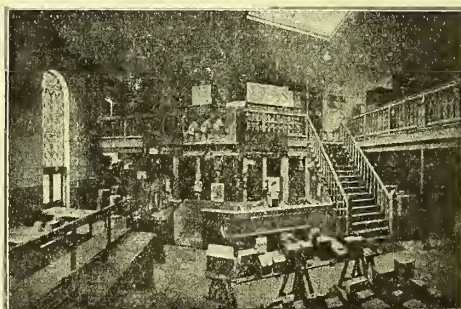
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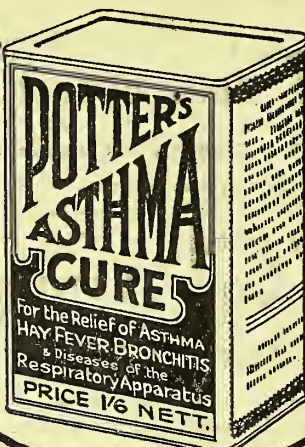
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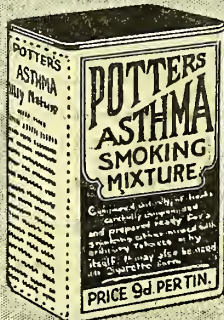


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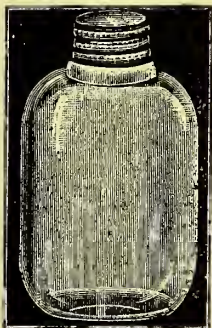
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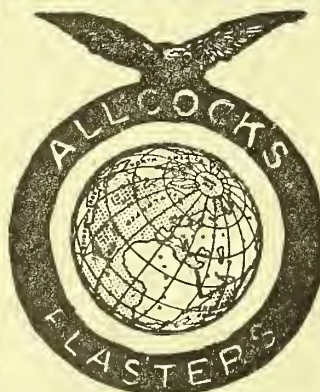
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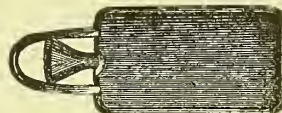
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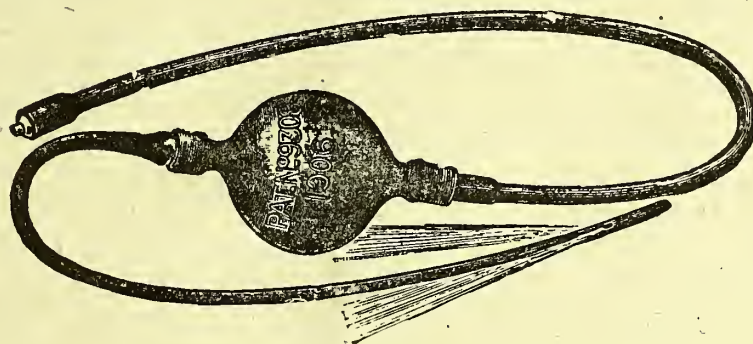
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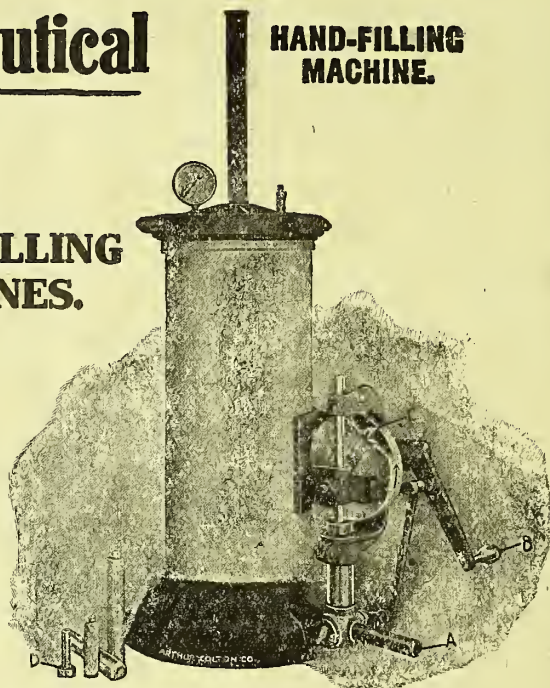
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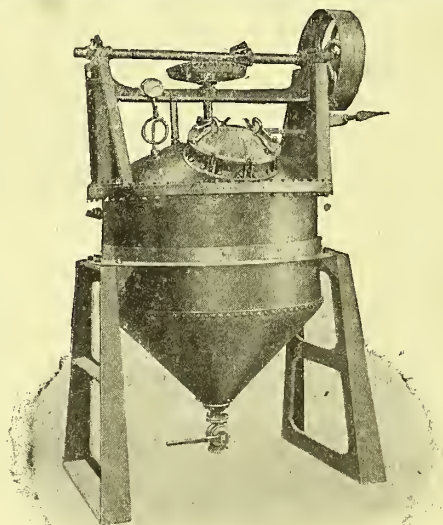
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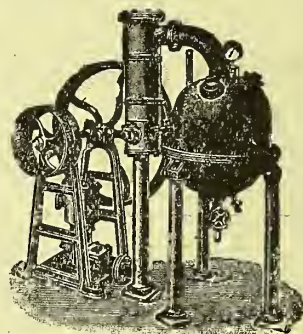
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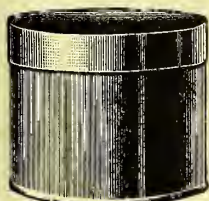
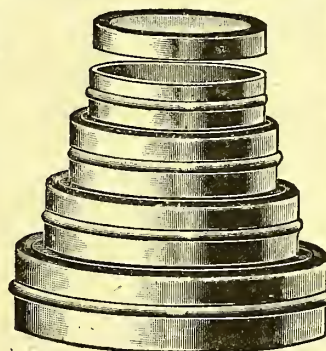
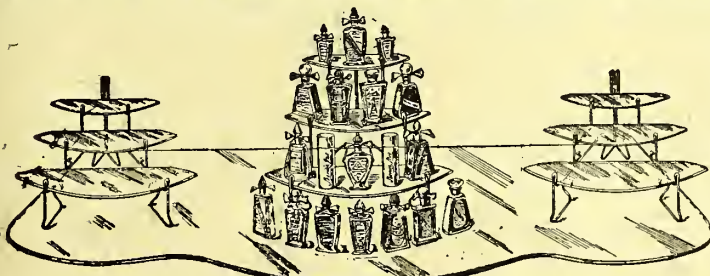
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Manufacturers and Exporters of ALL KINDS of BRUSHES, and

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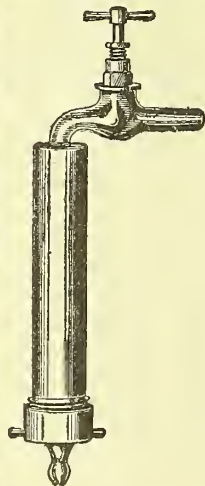
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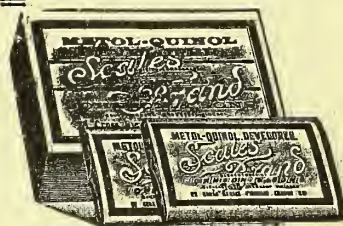
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**ARRIVAL OF LIMITED  
STOCK OF**After being for long practically  
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received a limited re-starting lot,  
which will be equitably and pro-  
portionately distributed.**PRICES.**

Retail.		Trade.
9d.	... ..	7/7 per doz.
1/3	... ..	12/8 " "
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Less 5% for payment at 1 month.  
£3 and up. carr. paid.The Trade may therefore now order, through  
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LONDON, S.E. 1****Printing for  
Chemists**  
Established 1842To day we use  
modern methods  
and machinery in  
the production of  
work of the  
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Telephone, City 65.**HASKINS  
FOR  
SHOPFRONTS**When you see a good Shopfront you can be  
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it, because we specialise in building Shop-  
fronts and Shopfittings that are attractive and  
sales-compelling.A good Shopfront is a permanent advertise-  
ment for your house, and a silent salesman for  
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SHOPFITTERS**

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TO THE PROFESSION.**HIGH-CLASS  
MECHANICAL  
DENTISTRY**

GOLD BRIDGE WORK  
GOLD BAR WORK  
VULCANITE WORK  
OF EVERY DESCRIPTION.

*Prompt attention to Postal Work.*

Testimonials from all parts, both for First-Class Workmanship and Moderate Charges.

**Malvern Mechanical Laboratories**

(Mr. F. PYNE)

**132 SHIRLAND ROAD, PADDINGTON,  
LONDON, W. 9.**

**To Chemists &  
: Drug Stores :**

WE are real Chemists' Printers — we have one department for that work alone. :: We have everything you want or require.



Write us—we are at your service and will serve you well.

**Thomas Waide & Sons**

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Samples to Colonies 10/6 (full set), which amount we credit for the first order of £10 and upwards.

**All Petroleum  
Products**

TECHNICAL AND MEDICINAL  
WHITE OILS

PETROLEUM JELLIES,  
WHITE, YELLOW, DARK

PARAFFIN WAXES

NEUTRAL OILS,  
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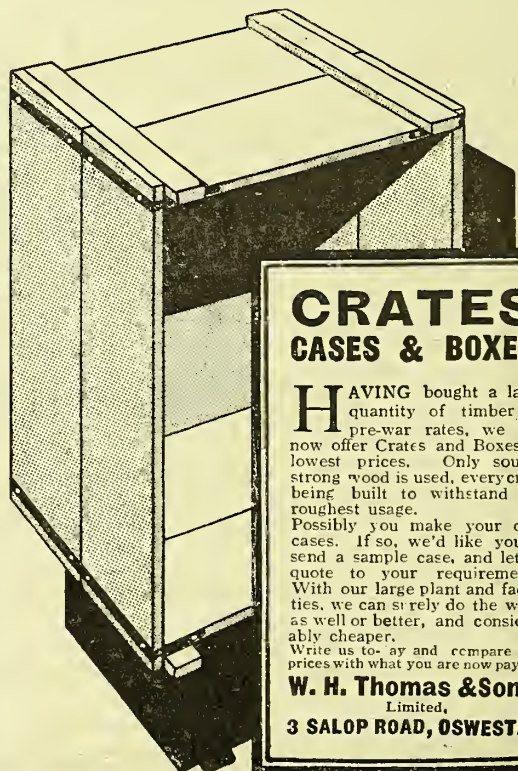
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**110 CANNON STREET, LONDON, E.C. 4**

**CRATES,  
CASES & BOXES.**

HAVING bought a large quantity of timber at pre-war rates, we can now offer Crates and Boxes at lowest prices. Only sound, strong wood is used, every crate being built to withstand the roughest usage.

Possibly you make your own cases. If so, we'd like you to send a sample case, and let us quote to your requirements. With our large plant and facilities, we can surely do the work as well or better, and considerably cheaper.

Write us to-day and compare our prices with what you are now paying.

**W. H. Thomas & Sons,  
Limited,  
3 SALOP ROAD, OSWESTRY**



# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.  
LIVERPOOL - - - MANCHESTER

## Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow  
and golden, for pharmaceutical  
purposes.

MANUFACTURED SOLELY BY

**The Dee Oil Company, Ltd.**

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller  
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Inquiries are solicited for this article  
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buyers may rely that for quality and  
price it will meet any competition

Other Grades

**Petroleum Jellies, White Bases, &c.**

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

Phone: 186 Bootle.

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## EUCALYPTUS OIL (RECTIFIED).

Eucalyptol Content ... .. 70/80%  
Optical Rotation ... .. 0 to 1  
Specific Gravity ... .. '919 to '928

Absolutely Free from Phellandrine.

Quotations by Cable. Wholesale Trade Only.

## BURNSIDE & COMPANY

Eucalyptus Oil Distillers.

**VICTORIA, AUSTRALIA.**

New Postal Address— Cables—"Burnside Company,  
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## FINEST OIL SOAP

(Tivollier de Gourjon, Marseilles).

## PURE SAFFRON

(A. Jaurand, Orleans).

**PURE RICE STARCH POWDER.**

**CONFECTIONERS' COLOURS.**

**ANILINE DYES** for all purposes.

For particulars and samples, apply to

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119-120 London Wall, LONDON, E.C. 2.





ESTABLISHED 1860.

**A Safe & Indispensable Family Remedy****EUSALINE**

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

**QUALITIES :**

Cooling  
Refreshing  
Cleansing  
Sparkling  
Palatable

As a Morning Tonic  
EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

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EUSALINE is Retailed at 2/- per bottle, Wholesale price, 18/- per dozen. Discount 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, and 1½d. per box. Wholesale price, 13/- per gross. Discount 15% plus bonus, according to quantity ordered. Carriage Paid on £5 orders.

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DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

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MICHIGAN,  
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**GENUINE AMERICAN  
PEPPERMINT OIL**

"Columbia" Natural  
"Diamond White"  
Re-distilled.

Finest qualities for Druggists,  
Distillers and Confectioners.

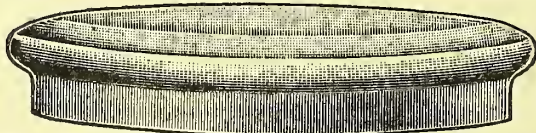
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QUICK-SELLING LINE. EFFECTIVE.  
ATTRACTIVELY PACKED.  
→ SHOWS LIBERAL PROFIT. ←  
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Retail 3d. and 7½d. per packet.

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for Pots and Bottles.

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**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.**  
FOR QUOTATIONS apply to—

**PRESTON'S LIVERPOOL DISTILLERY CO. LD.**

The Largest Makers in the Kingdom.

**BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office : 4 India B'ngs, Water St., Liverpool.**



# A PLAIN STATEMENT OF PROFIT.

If you tell your "QUINPHOS" customers that they save 2/6 by taking the 5/- size it will probably appeal to them, and you can make 1/9½ profit instead of 5¼d.

It costs you no more to make such a sale and it is well worth while on both sides.

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## HERE IT IS PLAINLY SET OUT:

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RETAIL  
On the 1/3 size you get 5¼d. Profit.

„ „ 2/11 „ „ „ 1/0½d. „  
(equal to three 1/3 size)

„ „ 5/- size you get 1/9½d. „  
(equal to six 1/3 or two 2/11 size)

To secure these profits you need not buy large quantities, and the small window display is very simple.

Will you at any rate kindly send a card asking for particulars to the SOLE MAKERS:

## THOMPSON & CAPPER, L<sup>TD.</sup>

Manesty Buildings, College Lane,

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Telegrams:  
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Established 1843.

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ROYAL 2060 (Private Branch  
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MINIMUM RETAIL PRICES OF "QUINPHOS" (Regd.)  
LIQUID or TABLETS, 1/3, 2/11 & 5/-



# May, Roberts' Traveller.

No. 4023 CITY.

MAY 31, 1919.

LONDON &amp; DUBLIN.

## Carbolic Tooth Powder

ACTUAL  
SIZE.ACTUAL  
SIZE.

STYLE No. 8r.

*An Excellent Quality Tooth Powder in Tins.*

PER DOZ. **1/10** PER DOZ.  
5% DISCOUNT.

## Tooth Brush Bargains

Celluloid Handles.

Assorted Patterns and Styles.



SERIES No. B 581 ... 6/6 Per Dozen. 5% DISCOUNT.

Bone Handles.

Assorted Patterns and Styles.



SERIES No. B 624 ... 4/6 Per Dozen. 5% DISCOUNT.

**MAY, ROBERTS & CO., LTD.,** 7-13 CLERKENWELL ROAD, E.C.1.  
And at 16 Westmoreland St., Dublin.





# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 31, 1919.

## EARLIER CLOSING FOR PRESS.

WILL intending Advertisers please note that until further notice all Advertisements for THE CHEMIST AND DRUGGIST SUPPLEMENT must be in the Publisher's hands not later than

### FIRST POST THURSDAY MORNING,

to be available for the issue published in that particular week. Owing to restricted postal deliveries it is advisable to post all communications on the Tuesday preceding the date of issue. Advertisements received after the time indicated will be inserted in the following week's issue.

## The Chemist and Druggist Supplement Advertisement Tariff.

**Businesses Wanted and for Disposal, Premises to Let, Goods and Shopfittings for Sale, and Agencies:** 4/6 for 50 words; every additional 10 words or less, 6d.

**SITUATIONS OPEN:** 4/6 for 50 words; every additional 10 words or less, 6d.

**SITUATIONS WANTED:** 1/- for 12 words; every additional 10 words or less, 6d.

**Legal Notices, Tenders, Auctions,** and all specially spaced announcements, 9d per line (average line=10 words).

**Miscellaneous (Wholesalers') Section,** for odd and second-hand lots; 7/- for 60 words; 6d. for every additional 10 words or less.

**EXCHANGE COLUMN** (for Retailers, etc.). **One penny per word;** minimum one shilling.

### BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 6d extra for each advertisement.

### PAYMENT.

All advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

**THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C. 4.**

Telephone: Central 3617 (3 lines).

Telegrams: "Chemists. Cannon, London" (2 words).

# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

—WEST LONDON.—Old-established Business; Dispensing and all; unique position; returns upwards of £2,500; profits good; residence with private entrance; price about £1,000.

—LONDON, W.—Old-established Business; Retail and Dispensing; returns £1,500 at good prices; roomy shop, with residence; held on lease; price £850.

—LONDON (Northern Suburb).—Good middle-class Business; ready money; returns upwards of £2,000; attractive well-lit shop; capital residence; vendor's own property; price about £1,000.

—LONDON, N.W.—Dispensing and Retail Business; vending; returns between £2,000 and £3,000; net profit over £1,000; well-appointed shop and large residence; new lease; price £1,000 or valuation terms.

—FINSBURY PARK (Near).—Brisk Retail Business; returns net rate, over £2,000 at good prices; well-appointed shop comfortable residence; vendor's own property; price £1,400.

—HIGHBURY (Near).—Ready-money Business; returns, net rate, £2,000; net profit 25 per cent.; rent £60; new lease; price £850.

—SOUTH KENSINGTON.—Very old-established Business; rent hands 50 years; now retiring; returns £1,500; present scope for development under energetic management; price £1,000.

—HOME COUNTY.—Dispensing and Retail Business; corner position in main thoroughfare; returns exceed £3,000; net profit between £850 and £900; large shop and comfortable residence; price about £1,900.

9.—LANCASHIRE (Popular Health Resort).—Cash Retail Business; good position; returns £3,500; net profit over £900; the turnover might be materially increased under qualified management; further details on application.

10.—HOME COUNTY.—Unopposed Business, comprising good-class Family trade, with general country retail; returns average £1,200 per annum; net profit approximately £300; comfortable residence; rent £40; held on lease; price £600.

11.—HERTS.—Good-class Retail and Dispensing Business; established 1854, and held by vendor upwards of 20 years; returns, under management, last year about £800; small residence; good garden; rent £40; no immediate opposition; price £300.

12.—STAFFS.—Ready-money Retail with N.H.I. Dispensing; established many years; returns last year £2,456; full investigation on invited; rent £30; offer wanted.

13.—MIDLANDS (Large Manufacturing Town).—Old-established Business; Retail and Wholesale in packed goods; gross receipts exceed £8,000, and during the past three years the average gross profit amounted to £2,031; the premises are held on long lease at a rental of £60; price about £3,000; a banker's reference will facilitate business.

14.—CHELTENHAM.—Good-class Business for disposal through death; returns between £1,200 and £1,300, with scope for extension; well-fitted shop and large residence; rent £55; for an immediate sale less than the value of stock and fixtures will be accepted.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of the business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—EAST COAST.—Good-class Retail, Dispensing and Photographic, in select seaside resort; returns nearly £1,400; increasing net profit £422; pre-war returns £1,800; good house and Pharmacy; price £100 and valuation; in all about £850; personally recommended.

2.—MIDLANDS.—Good-class Retail and Dispensing in large important town; central position; returns over £3,000; can easily be made do £5,000, handsome Pharmacy; fully stocked; price £1,550; part can remain.

3.—SURREY.—Unopposed Light Retail, pleasantly situated 20 miles out; returns about £1,650; good house and garden; well stocked; books kept; price £775, or valuation terms arranged.

4.—SOUTH MIDLANDS.—Unopposed village Business; returns £800; net profit about £250; comfortable house; low rent; well stocked; splendid chance for smart man; price only £250.

5.—BIRMINGHAM.—Working-class Cash Retail; returns average £40 weekly; good profits; plenty of scope; low rent; price for quick sale only £500 cash.

6.—SOUTH LONDON (Close to City).—Brisk Cash Business for Disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £300, and stock at valuation.

7.—LONDON, S.E. (10 Miles Out).—Cash Retail and Prescribing Business; returns £1,000; net profit £290; moderate rent; on long lease; price £375; full value offered.

8.—LONDON, N.—Light Family Retail and Dispensing, with good Optical connection; returns £1,400, increasing; net profit about £400; well fitted and stocked; small house; price £750, or near offer; recommended.

9.—LONDON, E.—Old-established Light Retail, with little Dentistry; same hands many years; retiring; returns £1,050; full prices; net profit £500; low rent; no immediate opposition; price £700 or offer.

## BUSINESSES WANTED.

We are in immediate want of sound concerns, returning up to £3,000, in town or country, especially South Coast, Midlands, and North; cash buyers waiting. Intending vendors are cordially invited to correspond. Terms sent on application. Established 1870.

## BUSINESSES FOR DISPOSAL.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CORNWALL.—General Light Retail, doing nearly £1,000, all cash; no insurance; lock-up shop; Vendor's own premises in main street of market town; Proprietor retiring from Retail; several good Proprietaries; price, valuation of Stock and Fixtures with small bonus. Further particulars apply "Redix" (177/22), Office of this Paper.

KENT.—Best residential part of town, corner of two main roads, Light Retail, good-class; all cash; nearest opposition one mile; modern house; electric light; splendid opening for Dentistry and Optics; returns over £1,300, increasing; rent £48; price £550, everything. Apply 179/31, Office of this Paper.

LANCASHIRE (within 20 miles of Manchester), good sound Business; Light Retail, Prescribing, Dispensing; N.H.I. last 12 months over eleven thousand; takings without N.H.I. over £1,300; scope to increase; owner giving up business; good living accommodation; rent and rates under £30; price £750 net cash, or £50 and valuation. Apply 172/13, Office of this Paper.

LONDON.—On main road near City, Light Retail and Dispensing Business (N.H.I.); returns last year over £1,300; present hands 11 years; rent £65, on lease; price for immediate disposal £325, or nearest cash offer; about value stock and fixtures. "Gelsen" (181/29), Office of this Paper.

LONDON, N.—Old-established Light Retail and Dispensing Business, with good Optical connection; returns £1,700, increasing; net profit £400; Pharmacy well stocked and nicely fitted; small house; ill-health demands rest; terms, valuation of stock and fixtures, plus agreed sum for goodwill; full particulars, in confidence, to bona-fide buyers. Apply 178/30, Office of this Paper.

LONDON, W. 8.—For immediate disposal, Family and Retail Dispensing Business; returns average £1,500, last year over £1,700 and 2,000 new prescriptions (not N.H.I.); well fitted and stocked, with nice house attached; price £900 or nearest offer; part could remain; would entertain a Manager with view to succession; every investigation allowed. "Sodii." (176/20) Office of this Paper.

NEAR MANCHESTER.—Main road; middle-class Light Retail Cash Business, roomy shop, well fitted and stocked; good house, part attached; no near qualified competition; good opening for N.H.I., Dentistry, or Optics; returns £15 per week; price valuation of stock and fixtures. "Cardam" (180/22), Office of this Paper.

ROCHDALE.—Splendid chance for Pharmacist to acquire sound well-established Drug Business with scope for Dispensing and Counter Prescribing; turnover steadily increasing; wine licence attached; easy rental. Please address inquiries to "Secretary" (180/19), Office of this Paper.

HEART of London's Best Western Suburb.—Lock-up Pharmacy, earnest worker with £300 could have an excellent living in a few months; Optics could be added and established; Dental practice taken over; total expenses £1 weekly; good prices; great scope; easy terms arranged. Apply 178/8, Office of this Paper.

OLD ESTABLISHED Family Retail and Prescribing Business, for disposal, splendid Photo trade can be done; N.H.I.; in same hands over 50 years; death cause of sale; returns average past three years £1,190; leasehold premises; very profitable and easily worked business; seaport town, South Hants. Apply 179/18, Office of this Paper.

TO be disposed of, a good-class Dispensing Business; suburb of Manchester (southern district), main road; district developing rapidly; Wine Licence attached. Apply 167/29, Office of this Paper.

TWO Businesses in same locality for immediate disposal owing to ill-health; S.W. district; returns over £2,500; low rents; very profitable. "Pharmacist," 22 Castlewood Road, Stamford Hill, N. 16.

UNIQUE opportunity to obtain very profitable Business; present time doing £27 weekly; expenses well under £1 weekly; very few patents sold; elegantly fitted shop; price somewhere about £750. Apply 180/20 Office of this Paper.

## FOR SALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

A CABINET of 8 drawers, containing nearly 400 Spectacles and Eye Glasses of best quality. Apply 151/22, Office of this Paper.

FOR Sale, Bromural Tablets (Knoll), 200 doz. tubes of 10, at 9s. 3d. doz.; 130 doz. ditto of 20, at 18s. doz. S. Lynn 94 Queen's Road, Bayswater, W. 2.

MAHOGANY Dispensing Screen and Counter for Sale, with or without glazed Sink; 8½ ft. long, about 5 ft. high; plate glass Cupboards top and bottom. Particulars from F. Cooper Chemist, Tottenham Lane, Hornsey

TABLET-MAKING Machines; one large single punch (Wilkinson) and three small; all for power. Apply 165/66, Office of this Paper.

THEOBROM. Sod. Salicylate, 11 lb. @ 26s.; Papaine, 11 lb. @ 29s.; Soda Cacodylate, 11 lb. @ 56s.; Calc. Lactophosph. 11 lb. @ 12s.; Diastase, 6 lb. @ 18s. 9d.; Magnes. Benzoate 3 lb. @ 21s. 6d.; Methylene Blue, 4 lb. @ 19s. 6d.; Zinc Valerianate, 17 oz. @ 2s.; Magnes. Salicylate, 3 lb. @ 5s.; 30 x 10-grm. and 50 x 5-grm. bottles. Stovaine @ 6d. per grm.; Hæmoglob. Liq., 50 lb. @ 5s.; Podophyllin Resin, 5 lb. @ 25s.; Calcium Glycophosphate, 50%. 50 lb. @ 7s.; Soda Formate, 48 lb. @ 2s. Bailey, 17 Harp Lane, E.C.3.

TRIAL Case, travelling pattern, solid hide case, removable tray, containing 234 lenses, half-mounted in gold-filled rims; half in nickel rims, charts, and two ordinary trial frames; also one nickel adjustable trial frame, geared cylinder cell for si lenses, with extension sides; also Lens measure with protecting cap; also one "Inskeep" Luminous Retinoscope in velvet-lined case; also practice eye, Sutcliffe chart, 12 gold-filled Fitts-U clip with lenses in show case; 12 nickel spectacle frames with plain lenses in show case; all equal to new; best offers accepted Whitaker, 8 South View, Savile Town, Dewsbury.

46 1-GAL. Black Shop Carboys (straight), wide mouths, gilt caps and labels, in fair condition, to first offer; no dealers no letters. Apply, personally, to Starkey, 104 Holland Park Avenue, Notting Hill, London.



**BUSINESSES WANTED.**

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

**LONDON.**—Demobilised Officer (Pharmacist) wishes to purchase Business with net profit about £500 or Partnership. Apply Lever (175/38), Office of this Paper.

**LONDON or SUBURBS.**—Experienced Pharmacist requires a decent-class Business (with some Dispensing and Prescribing) showing fair profits; price about £700; or would entertain any genuine Medicine Business or Partnership; please write full particulars. "London" (176/22), Office of this Paper.

**S.W. COUNTIES.**—Advertiser desires to purchase Chemist's Business in South-Western Counties, preferably Devonshire; N.H.I. not objected to; must have good house accommodation attached; would consider opening new business if suitable premises and prospects were offered. Particulars to W. J. V. Fowden, 65 Abbey Road, Torquay.

**SWANSEA OR CARDIFF.**—Genuine Business wanted; returns not under £1,500, unless neglected; particulars strictly confidential. "Dee Dee" (180/22), Office of this Paper.

**ADVERTISER** wishes to purchase for cash Wholesale Druggist's Sundry Business; neglected not objected to, but must stand strict investigation. Apply 176/270, Office of this Paper.

**PROPRIETARY** Wanted.—Limited Company wish to purchase an established Proprietary Business, Medical or otherwise; good price will be given for one already stocked by Chemists, and capable of improvement by up-to-date methods. Apply 176/34, Office of this Paper.

**SOUND** Business wanted in Midlands or North-West, showing £450-£500 net profit; seaside or healthy suburb or small town preferred but not essential; living accommodation necessary. Full particulars in strict confidence to "Lancashire" (180/16), Office of this Paper.

**SOUND** Drug Store wanted with a turnover of £1,500 to £2,000; seaside or healthy suburb preferred; living accommodation necessary. Full particulars in confidence to "Yorkshire" (176/271), Office of this Paper.

**WANTED**, good country Drug Stores, suitable for unqualified, with opening for side-lines preferred. Particulars and price 174/21, Office of this Paper.

**AGENCIES.**

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

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Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**ASIA MINOR** was overflooded by German Chemicals and Proprietarys in pre-war times; now that the German octopus dead, it is the proper time to introduce British goods; a well-established firm at Smyrna desires to Represent Manufacturers Proprietarys, Pharmaceutical Preparations, and Chemical Products for all industries. Apply 148/26, Office of this Paper.

**LONDON** Trade: Drugs, Chemicals, Perfumery, Toilet, Sundries, Proprietarys.—Live man requires Agencies or sole Representation well-known Wholesale and Departmental Stores; can produce big business; glass bottles wanted urgently; Travellers over London and district; great opportunity for provincial firms. Apply 178/14, Office of this Paper.

**POLAND AND SOUTH RUSSIA.**—A French gentleman having been established 20 years in Petrograd for the sale of Patent Medicines and Wholesale Drugs, well-known by all Doctors and Wholesale houses, wishing to undertake a journey to Poland, Rumania, Caucasus, etc., desires Representation of first-class British firms. Pommier, 2 rue des Rosiers, Paris.

**PORTUGAL.**—Well-established firm at Lisbon with very good connection among dealers in Chemicals and Drug products desires to represent first-class houses manufacturing Ink Powders, Chemical Colours, and Chemical Products generally, for all industries; successful results guaranteed; good references, Address 15, Office of this Paper.

**ADVERTISER** with intimate knowledge of Perfumery and allied trades desires Agency for leading British or French Perfumery house or proprietary lines; London office, showrooms, telephone, clerical and travelling staff; valuable connection among leading Stores, Chemists, etc., in London, Home Counties, North and West of England; 2,000 live customers on books; interview by appointment. Write 178/6, Office of this Paper.

**AGENTS** wanted in all provincial centres for the "Kenney" leg; must be qualified to take measures and fit limbs. Write The Kenney Limb Co., Ltd., 45 Bedford Row, Holborn, London, W.C. 1.

**COMMISSION** Agents in Amsterdam, with long experience in the Patent Medicine line, both in mail order and trade, want the Agency of best Patent Medicines for Holland; first-class London references. Apply, with full details and samples, to No. 670, Advertising Agency Lobatto & Verheul, Amsterdam.

**MANUFACTURERS** desirous of extending their Canadian trade in fine Chemicals, Drugs, Proprietary Medicines, Toilet Soaps, Flavouring Essences, Perfumery, etc.; Advertiser at present in London, remaining for one month; personal interview preferred. Apply 178/18, Office of this Paper.

**MESSRS. HARRIS & CLOUDSLY**, Manufacturers' Representatives, of Cape Town, Johannesburg, Durban, and Bloemfontein, South Africa, require further Agencies. Manufacturers interested should communicate as early as possible with J. Harris, 79 Gower Street, London, W.C. Highest references; fullest representation guaranteed.

**SOLE** Agencies of reliable Manufacturers of Chemicals, Drugs, Patent Medicine, Perfumery and Toilet requisites are taken up on best terms for British India; proposals with particulars and samples immediately required. The International Commercial Agency, Limited, 147 Abdul Rehman Street, Bombay (established 1910; best references).

**THE Anglo-French Drug Co., Ltd.**, desire to inform the trade that they have opened a Branch in Paris with large stockrooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as Buyers in France or British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

**TO** Manufacturers.—We are open to accept sole Agencies for London and South Coast; good connection; established 40 years. Cassie & Co., 49 Newgate Street, E.C.

**TO** Manufacturers of Toilet Preparations.—A gentleman with a large connection and owning a patented leading line, is open to offer from firm for business arrangement. Russell, "Greenlands," Greenlands Road, Staines, Middlesex.

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**ACTIVE** Partner for Wholesale manufacturing business wanted; large profits and good connection; supplying Wholesale Sundries houses, Merchants, Chemists, Hairdressers, etc.; £1,000 required; also assistance in manufacturing or travelling; smaller capital considered with suitable applicant; large scope for developing high-class business. Full particulars to "Alus" (177/7), Office of this Paper.

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**WOULD** any Chemist like to hire a nicely furnished Villa in healthy London suburb for August; two sitting-rooms, three bedrooms, kitchen, bathroom, etc.; pleasant garden; within easy distance of West End and City. Apply 179/30, Office of this Paper.

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# RETAIL.

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The services of a full-time Lecturer are required in connection with the School of Pharmacy, a Department of the Technical College, to be opened in September next.

Subjects required—Pharmacy, Materia Medica, Practical Dispensing, and Latin.

Commencing salary £350 per annum.

Applications on foolscap paper, stating age, full qualifications, teaching and other experience, and giving copies of not more than three testimonials, should reach the Principal on or before Saturday, 14th June.

JOHN J. JACKSON,  
Director of Education.

City Hall, Cardiff.

**ANGLESEY (LLANGFNI).**—Manager for good Agricultural Business required at once; must be Welsh-speaking (no others need apply), qualified, and good Salesman. Apply, with full particulars, age, experience, salary required, and photo, to R. R. Jones, Pharmacist, Amlwch, N. Wales.

**BRIGHTON.**—Experienced Assistant for high-class Retail and Dispensing business; unmarried, qualified preferred; please state full particulars in first letter as to experience, age, etc., and enclose photo if possible. Parris & Greening, 105 Church Road, Hove.

**BIRMINGHAM.**—Wanted, experienced Assistant as Locum; June 23rd—July 5th or near dates; please state terms. Johnson, Pharmacist, Loddon.

**BRISTOL.**—Wanted, a Junior Assistant; accustomed to a good-class business. Full particulars to Baxton & Grant, 176 Whiteladies Road, Bristol.

**BRISTOL.**—Qualified Manager for Light Cash Retail, with N.H.I. Dispensing; branch is situated in pleasant suburb. Please send usual particulars to C. A. Stokes, Chemist, Bristol.

**BRISTOL.**—Wanted, qualified for brisk Cash Retail and N.H.I. Dispensing in good working-class district. Haywards (Chemists), Ltd., 128 Church Road, Redfield, Bristol.

**CAMBRIDGE.**—Wanted, an Assistant for good-class Dispensing business. Apply, stating salary required and full particulars, to S. F. Barker, 46 Chesterton Road, Cambridge.

**CHESHIRE.**—Wanted, a qualified Assistant for a few weeks, commencing June 10; a young man with good experience in Dispensing and Retail; short hours; no Sunday duty; two Juniors kept. Apply, stating age, experience, references, and salary required (outdoors), G. Humphreys, Pharmaceutical Chemist, High Street, Northwich.

**DEVONSHIRE.**—Qualified, good all-round Assistant wanted (at once); permanency; convenient house provided (not on premises if required; please state in first letter fullest particulars of experience, references, age, height, photo, and salary required. Stephens & Graham, Ltd., Plympton, Devon.

**HANTS.**—Qualified Branch Manager; market town, Fareham; Prescribing, Photography, some Optics and Dentistry useful, not essential; good-class shop and business; large modern house; electric light; salary plus good commission, thus deriving benefit of energy and successful management. State full particulars. experience, age, salary, photo, references, married, when at liberty, Foster, "Ivydale," London Road, Portsmouth.

**KENSINGTON, W.**—Wanted, Assistant Junior or part-time. Apply 178/9, Office of this Paper.

**LEEDS.**—Unqualified Assistant required; age 24 to 30; quick working-class trade; decent wages. State age, experience, salary required, and photo if possible in first letter, H. Mortimer, 78 Meadow Road, Leeds.

**LIVERPOOL SUBURB.**—Junior (outdoors), good-class business; must be reliable Dispenser and of good address at Counter; first-class references essential. Usual particulars (photo if possible), to "M. and R.," 127a St. John's Road, Waterloo, Liverpool.

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**LONDON, S.E.**—Capable Assistant wanted for busy Retail, and assist in N.H.I. Dispensing; outdoors. Apply, stating salary required and usual particulars, to Davy's Drug Store, Central Exchange, Penge, S.E. 20.

**LONDON, W.**—Qualified Assistant (gentleman) with first-class Dispensing and Counter experience; age not over 35. Full particulars to the Manager, Savory & Moore, Ltd., Lancaster Gate, London, W. 2.

**MANCHESTER—SALFORD.**—Qualified Manager required for good Retail and very small N.H.I.; comfortable position. Apply, giving full particulars as to age, experience, salary expected (or salary and commission) etc., to 177/29, Office of this Paper.

**MANCHESTER.**—Qualified Assistant wanted for Retail and Dispensing; give references and salary. Apply "L." (171/16). Office of this Paper.

**MARGATE.**—Immediately, competent Junior Assistant; good Retail and Dispensing. Full particulars, photo if possible, W. M. Rosser, 2 Ethelbert Terrace, Margate.

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**NEWCASTLE-ON-TYNE.**—Reliable Assistant required for Dispensing and Counter work. Give particulars, age, salary required, etc., Hepworth, Pharmaceutical Chemist, 84 Scotswood Road.

**NORTH WALES.**—Qualified Manager for Branch near Wrexham; healthy, bracing, picturesque district; permanency; commission; excellent berth. Apply L. B. Rowland & Co., Chemists, Wrexham.

**NORTHAMPTON.**—Assistant; must be accustomed to high-class Dispensing; good salary; outdoors. Apply, stating usual particulars, to McKinnell, Chemist, Northampton.

**RHYL.**—Junior Assistant or capable Improver required for season, probable permanency; able to Dispense and well up in Photography; state usual particulars, salary required, and enclose photo; applications unanswered in three days declined. Whiteley, Chemist, Rhyl, N. Wales.

**SHEFFIELD.**—Qualified Assistant to manage branch, Light Retail and Dispensing; state age, experience, salary required, etc. F. Medley, Pharmacist, 500 Barnsley Road, Pitsmoor, Sheffield.

**SHREWSBURY.**—Qualified Assistant (outdoors); close Mondays, Tuesdays, Wednesdays, and Fridays 7 p.m., Thursdays 1 p.m., Saturdays 8 p.m., no extra duties; please give full particulars of experience, age, height, and salary required in first letter, A. Williams, M.P.S., Chemist, Castle Street, Shrewsbury.

**SOUTHAMPTON.**—Assistant, about 25 years of age, where four are kept, Minor qualifications, one with good all-round experience, and desiring a permanency preferred. Apply, stating salary and references, to H. Wilson, c/o Randall & Sons, 146 High Street, Southampton.

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**APPRENTICE** wanted for a good-class Retail and Dispensing business in North London; must have passed the Preliminary; time off allowed for attending classes and study; sleep out. Address "Aspirin" (179/13), Office of this Paper.



**ASSISTANT** required, unqualified (outdoors), for village business; easy hours. Particulars as to age, experience, salary, and when disengaged, to A. Toon, Chemist, Earl Shilton, near Hinckley.

**ASSISTANT**; unqualified; give experience and salary required. Apply Holroyd, Chemist, Manchester Road, Bradford.

**ASSISTANT** for Branch; outdoors; one with knowledge of Dispensing; N.H.I. work. Full particulars to Hampton, Chemist, 86 Northgate Street, Gloucester.

**BRANCH** Manager, lady or gentleman (qualified), for small compact Pharmacy near Dukeries. Apply, giving full particulars and references, to E. J. Latham, M.P.S., Shirebrook, near Mansfield.

**COMPETENT** businesslike young man (unqualified) required at once; good berth for right man. Smith, Chemist, Langley, Birmingham.

**COMPETENT** and trustworthy Assistant required in good-class business. Full particulars to Beale & Son, Chemists, South Norwood, S.E.

**DISPENSER**; Minor qualifications; compounding of pills not required; hours of work approximately 8.45-6.15 p.m., Saturdays 1 p.m. Apply personally or by letter, stating experience and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

**DRUGGISTS' SUNDRIES**.—Assistant required, age 18 to 20, with good practical knowledge of Sundries and Patents for export trade. Apply Dakin Bros., Ltd., 82 Middlesex Street, E. 1.

**ENERGETIC**, qualified man as first Assistant; must have good experience, and be thoroughly reliable and capable of taking charge if necessary; good-class cash business. Full particulars and salary required to 173/3, Office of this Paper.

**EVENING** Dispensing; W.C. district; three nights, hours 5 to 9, or as arranged; 25s. per week; state all particulars in first application. Apply 172/21, Office of this Paper.

**F. M. RIMMINGTON & SON, LTD.**, 9 Bridge Street, Bradford, require a qualified Assistant as Branch Manager; please state salary, etc.

**GENTLEMANLY** Assistant, with good knowledge of Dispensing; excellent opportunity for advancement. Apply "L." (171/37), Office of this Paper.

**IMPROVER** or Junior; South London; good-class Dispensing and Photographic. Reply in first instance, stating salary required (outdoors), "A. J." (180/27), Office of this Paper.

**JUNIOR** or unqualified Assistant required for brisk country business with knowledge of Photography and N.H.I. Dispensing. Apply, stating age and salary required (outdoors), to Charles Cowle, Chemist, Yeovil.

**LADY** Dispenser wanted (at once) for Doctor's Surgery; five hours daily except Thursdays (morning only), no Sunday duty. Apply personally or by letter to Dr. Cameron, 132 Ashmore Road, Paddington, W.

**LADY** Dispenser required; permanent, July; must be quick Dispenser; cash and panel practice; hours 11-1, 7-9; live out entirely; salary £2. Dr. Hanbury, 157 Roman Road, Bow, E. 5.

**LADY**, with Minor qualification, required for N.H.I. and to assist at Counter; one with Retail experience preferred; salary 3½ guineas. Apply Box 179/24, Office of this Paper.

**LOCUM** wanted from August 7 a.m. to August 15 p.m. (or alternatively last fortnight in June), former preferred; send fullest particulars, salary, references, and if qualified or not, McKee, Chemist, 114 Churchfield Road, Acton, W. 3.

**LOCUM**, qualified, for June 10-20, both dates inclusive; abstainer, and preferably accustomed to country trade. Apply, giving recent references, and stating salary required (outdoors), in first letter, to Perkins, Pharmacist, Henley-in-Arden, Warwickshire.

**LOCUM** wanted for June 30th to July 12th inclusive. Reply, stating age, experience, references, and salary required (one man business qualification necessary), to Exors. James E. Doo, Netherton, Dudley.

**LOCUM** (qualified) for E. London; near City; any fortnight in August or first half September; lady or gentleman. Apply 178/31, Office of this Paper.

**LOCUM**; lady; qualified; last two weeks July and first week August; Newcastle-on-Tyne district; state salary, experience, references. Apply 175/32, Office of this Paper.

**MANAGER**, with view to succession, for Light Retail and Dispensary business; easy hours; state age and usual particulars, and salary required. "T." 4 Stratford Road, Kensington.

**MANAGER** wanted for good-class business in centre of City. Full particulars to Chas. H. Welton, 60 Smithford Street, Coventry.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects; free removal.

**M.R. WASS**, Holbeach, Lines, requires the services of a gentleman to take charge of his business for a fortnight during the month of June; applicants please state terms.

**P.H.C.** wanted for Phar. College (Glasgow); state qualifications and salary. Apply 180/12, Office of this Paper.

**QUALIFIED** Assistant wanted (at once) for the Isle of Man and other places. Send full particulars, references, salary, etc., to "F. D.," Evans Sons Lecoher & Webb, Ltd., Liverpool.

**QUALIFIED** Assistant wanted in a good business in Essex within easy reach of London; capable of taking charge; good prospects to suitable man; knowledge of Photography and good references; personal interview essential. Address, with full particulars, 175/27, Office of this Paper.

**QUALIFIED** Manager required for suburban business in Yorkshire (West Riding); good salary, plus an interest in the profits to an energetic man able to take full control and to develop business; interview arranged. Fullest particulars to 175/11, Office of this Paper.

**QUALIFIED** Chemist for supervising N.H.I.; suit elderly gentleman or lady. Apply, stating full particulars and salary required, to E. H. Baker, Ltd., Chemists, Coscely, Staffs.

**QUALIFIED** Senior, with experience in checking Dispensing; unfurnished rooms available if desired. Please give full particulars to Frank A. Rogers, 327 Oxford Street, W. 1.

**QUALIFIED** Assistant wanted; one day a week holiday; also Dispenser for evening work. Call or write, giving full particulars age, experience, salary required, etc., to Wm. Fox & Sons, Ltd., 111 Bethnal Green Road.

**QUALIFIED** Manager wanted for a good-class Dispensing business in a small country town; a knowledge of Optics and Photography necessary. Apply to S. W. Ord, 3 Hanover Street, London, W. 1.

**REQUIRED**, for good-class Light Retail and Dispensing business in a residential district near Birmingham, smart Junior Assistant; good Dispensing experience essential; outdoors; facilities for study if desired. State full particulars and salary required to 176/25, Office of this Paper.

**SAVORY & MOORE, LTD.**, require a qualified Dispenser (male). Apply, with full particulars, and stating salary required, to Manager, 143 New Bond Street, W. 1.

**SMART** Counterman wanted; unqualified; accustomed to good-class business; easy hours; good salary; outdoors. Send photo with full particulars, stating salary required, to Ralph Cuthbert, Ltd., Chemists, Huddersfield.

**UNQUALIFIED** Assistant, experienced either sex (immediately). Apply, with usual particulars, Davies, 390 High Street, Manor Park, E. 12.

**WANTED**, a competent Assistant for quick Retail and Dispensing business in a mining Midland town; able to take charge occasionally; no holiday or Sunday duty, weekly half-holiday; state age, height, and salary required (outdoors). Apply 177/10, Office of this Paper.

**WANTED**, Assistant; smart and reliable; able to take charge. Apply, giving experience and full particulars, to Lewis, 138 High Street, Harlesden.

**WANTED** (immediately), in pretty health resort, young, competent Assistant for high-class Dispensing business; in- or out-doors. Collins, Woodall Spa, Lincs.

**WANTED**, capable Locum (at once); also competent Assistant (outdoors) for good-class Retail and Dispensing business; others kept; hours 8.15 to 7 p.m., Thursday 1 p.m., Fridays 8 p.m., Saturdays 9, no Sunday duty. Please apply, with full particulars, salary required, and references, N. Arden, Pharmaceutical Chemist, Winchester.

**WANTED** by a Doctor in the Midlands, lady Dispenser and Bookkeeper. State experience, age, and salary required, 178/26, Office of this Paper.

**WANTED**, a young, capable Assistant (male), chiefly for Dispensing, in a good-class Dispensing business; permanency; hours of business 8.30 a.m. to 7.30 p.m.; also a Dispenser (lady or gentleman) for a fortnight in July from the 10th to 24th inclusive. Apply, stating salary and other particulars, to A. Lloyd Davies, Chemist, Woking.

**WANTED**, elderly registered Chemist; working-class business. State lowest terms, "Elderly" (171/13), Office of this Paper.



**WANTED**, by Pharmacist in poor health, a reliable Assistant; outdoors; qualified; able to take charge when necessary; with view to easy succession; capital of less importance than good references and energy; not over 40 years of age. Apply "Burrell" (179/12), Office of this Paper.

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**ASSISTANT** Buyer for firm of Wholesale Druggists; must have had previous experience in buying Drugs and Fine Chemicals. Write stating age and full particulars to "L." (169/17), Office of this Paper.

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**BIRMINGHAM**.—Foreman for Laboratory of Manufacturing Chemists producing Toilet Articles, Face Creams, Perfumery, etc. Apply, stating age, salary, and experience, to 178/12, Office of this Paper.

**CHEMIST** (Managing) wanted, having an expert knowledge of dietetics and table delicacy packet trade; able to control raw material and standardise products; state age and experience in confidence, and salary desired. Box 50, Osborne-Peacock Co., Ltd., Advertising Agents, Gordon Street, Glasgow.

**COMPETENT** Dictaphone and Shorthand Typist required by Wholesale Druggists. Apply, stating experience and salary expected, to "E. J. S." (168/64), Office of this Paper.

**COMPETENT** and experienced Tablet-Maker, to take lead in Department; must be conversant with modern plant and able to turn out large quantities; state wages, age, experience, and when disengaged. Apply 170/740, Office of this Paper.

**EXPERIENCED** Dry Counterman required. Apply to Evans Sons Lescher & Webb, Limited, 60 Bartholomew Close.

**LABORATORY** Assistant required by small London Wholesale Druggists; must be well up in the manufacture of Galenicals, able to control staff, and take charge when necessary. Tincture-Maker also required; state experience and wages. Apply 178/11, Office of this Paper.

**LABORATORY**.—Splendid opportunity for active, energetic young man in modern Works in Midlands, chiefly Ointments, Extracts, and Toilets; state age, wages required, experience, and when free. Apply 170/74, Office of this Paper.

**LABORATORY** Hand required: experienced in the manufacture of Hair Dyes, Shampoos, and Hairdressers' Lotions, etc. Apply 170/68, Office of this Paper.

**MANAGER** wanted for high-class Perfumery Shop in best position in London; must have wide experience of Perfumes and Toilet Requisites, and be capable of taking entire charge and developing a big business; a knowledge of foot appliances is desirable, and only applications from men of exceptionally good appearance and education will be considered. Apply 168/65, Office of this Paper.

**OLD-ESTABLISHED** firm of Chemists require the services of a gentleman fully qualified to take charge of the existing business, and also capable of developing same as well as the manufacture of the specialities of the firm; good salary and commission to suitable man. Apply by letter only to "K. B.," c/o Messrs. G. Street & Co., Ltd., 30 Cornhill, E.C.

**PHARMACIST**, young, well educated, able to fill position requiring industry, intelligence, and sound business ability, required by London firm of Chemical Manufacturers; previous Wholesale experience not essential; liberal salary, good prospects, and permanent scope for right man; application should state age and full particulars of previous experience. Apply "L." (169/21), Office of this Paper.

**TABLET** Maker wanted; experienced in Sugar and Chocolate Coating. Address "C.," stating salary required and experience, 169/43, Office of this Paper.

**TABLET** Machinist, capable, experienced man required. Send full particulars of experience and salary required to Lloyds, 27 Green Lane, Small Heath, Birmingham.

**TRAVELLER** required for London for free-selling Toilet Specialities; good opening for energetic worker. Orela, Ltd., 37 Berners Street, W. 1.

**TRAVELLERS** wanted, with good connections amongst Chemists, to carry advertised Proprietary Remedy on the P.A.T.A. list; 10% commission. Full particulars, in confidence, to "F. S." (169/39), Office of this Paper.

**TRAVELLERS** required, calling on Hairdressers, to sell advertised Proprietary; first-class Preparation, neatly packed, showing 33% profit to retailer; excellent seller and repeater; scores of quite unsolicited testimonials; commission basis only; very liberal terms. Please state full particulars, ground covered, in confidence, to 178/37, Office of this Paper.

**WANTED**, for the Chemical Counter, a first-class Assistant who has been accustomed to the Wholesale trade; must have had good experience and references. Apply by letter only "W. C. H.," 46 Southwark Street, S.E. 1.

**WANTED**, smart Assistant, used to Making-up and Mould work; permanent, comfortable position for suitable person. Apply Buckland, 30 Craven Street, Strand, London.

**WANTED**, smart Traveller, calling upon Chemists, to introduce a Patented Novelty; exceptional opportunity to earn large income without interference with other work. Apply Buckland, 30 Craven Street, Strand, London.

**WANTED**, a good smart man for Manufacturing Perfumery department in Wholesale house; one with knowledge and experience in making up all kinds of Toilet preparations. Apply by letter, stating age, previous experience, and salary required, to "L." (164/300), Office of this Paper.

**WANTED** for provincial house, First and Second Wet Room Hands; 65s. and 55s. respectively; full particulars of experience in confidence; interview London. Apply 180/36, Office of this Paper.

**WANTED**, a capable man for the Chemical department, Wholesale and Retail, of a Chemical apparatus Manufacturer; hours 8.30 to 6 p.m., Saturdays 8.30 to 1.30. Apply "M. S." (181/10), Office of this Paper.

**WET COUNTERMAN** wanted in country town; quick worker; permanency; good wages; removal free. Please state age, experience, etc., 174/26, Office of this Paper.

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(Colonial, Indian and Foreign.)

**BANGKOK, SIAM**.—Qualified Assistant required; knowledge of sight testing and fitting essential; one with good-class London experience preferred; four years' agreement; salary £400, £425, £450, £500 yearly, with furnished quarters; passage paid out and home. Apply, with testimonials and photograph, to "M. H.," Export Department, S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

**FEDERATED MALAY STATES**.—Qualified Assistant required; unmarried; three years' agreement; passage paid out and home; must have good health; salary first year £35; second year £38; third year £41 per month; short hours; preference given to one with knowledge of Photography and Optics, but not essential; advancement for good business man. Apply 163/64, Office of this Paper.



**HONG KONG.**—Two thoroughly reliable Assistants, who have had good experience in first-class Retail business; age 22 to 30; four or five years' agreement; salary for qualified men £480, rising to £510 or £520 per annum; passage paid out and home dress "Export" (177/34), Office of this Paper.

**TRAITS SETTLEMENTS.**—Qualified Assistant, young, and capable of managing Branch Dispensary; four years' agreement; passage paid out and home; salary first year, £30 per month, second and third years £32 per month, fourth year £35, splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply W. O. H., Burgoyne, Bridges & Co., Ltd., East Ham, E. 6.

## SITUATIONS WANTED.

s, for 10 words or less; 6d. for every additional 10 words or less, prepaid.

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### [HOME.]

### RETAIL.

**LOCUM**, qualified, 20 years' experience, who has just completed successful management (2½ years) of business for owner, just sold, desires engagement; any district. "Chemist," Ferns, Nursery Lane, Wilmslow, Cheshire.

**WINDOW-DRESSER** of exceptional ability desires to work up connection for this duty only; remember your window is your best advertisement. For particulars write to W. D., 421, 100 Lane, Willesden, N.W.

**BLE Assistant**; 24; smart and energetic; S. Wales preferred. Arnott, c/o Young, Chemist, Staple Hill, Bristol.

**Locum**; permanency; reasonable terms; good references; London or Provinces; excellent experience. "Chemist," Sinclair Gardens, Kensington, W. 14.

**Manager or Assistant**; qualified; abstainer; near Reading preferred; age 40; good experience; highest credentials. Apply 179/27, Office of this Paper.

**ASSISTANT**, willing and trustworthy, knowledge Photography, Windows, and Counter, desires berth where further Dispensing knowledge could be obtained; Banbury district preferred. Apply 176/40, Office of this Paper.

**ASSISTANT or Manager**, 40, unqualified, married, Dispensing, Photography, Counter, just demobilised, requires permanency. Apply 176/29, Office of this Paper.

**ASSISTANT or Manager**; unqualified; married, 47; Dispensing, Agricultural, Photographic; active; take sole charge; want berth 20 years. Vickers, Enginegate, Louth, Lincs.

**ASSISTANT** (unqualified), single, 26, tall, smart, energetic, eight years' experience Dispensing, Window-dressing, etc. Res post until October; kindly state salary. Apply 175/14, Office of this Paper.

**ASSISTANT** (unqualified), 25, tall, good presence; recently demobilised R.A.M.C.; knowledge Dispensing, Photography; good references; London preferred; please state salary, hours, Wood, 25 Beatrice Avenue, Norbury, S.W. 16.

**ASSISTANT**; 26; demobilised; unqualified; eight years' experience Dispensing and Counter; middle-class business; on suburbs or near. "Aspirin," 4 Nibthwaite Road, Weald-

**ASSISTANT**; unqualified; 21; four years' Dispensing and Counter experience; good reference; disengaged June 16th; Brighton Spa or near preferred. Evans, Cotton Road, Nun-

**ASSISTANT**; unqualified; 25; 8 years' experience in high-class Retail and Dispensing; reliable, willing, energetic; good references. Knight, 83 Lymington Road, Torquay.

**ASSISTANT** (unqualified) disengaged; varied experience. "D," 49 Walton Street, Leicester.

**ASSISTANT or Manager**; unqualified; Dispensing and Manufacturing; good references; London only. "Statim," 4 Ley Road, N.W. 5.

**ASSISTANT or Manager**; unqualified; married; 18 years' London experience (West End); quick and accurate Dispenser, Extractor; willing, reliable; highest references; present berth 5½ years. Apply Richardson, 100 St. Leonard's Street, Bromley-by-Bow.

**BIRMINGHAM.**—Youth, 16, Chemist's son, requires position as Improver in Birmingham. Brocklesby, 323 Coventry Road, Small Heath.

**BLACKPOOL or District.**—Experienced Assistant, unqualified, desires permanency; abstainer; good Salesman; moderate salary. Olliver, 250 Kimberworth Road, Rotherham.

**BRANCH Manager or other capacity**; qualified; active; middle-aged. Rees, 8 Salisbury Road, Brislington, Bristol.

**BRANCH Manager**, who has maintained position 15 years through reliability, energy, sobriety, and success, desires permanency; 43; married; Midlands if possible (not essential). "Belgrave," (179/38), Office of this Paper.

**DEMOLIBISED**, unqualified, 24, six years' experience with Drugs and Medical work, desires post with Chemist or Doctor. Apply "J. G., Loch Gail, London Road, Romford, Essex.

**DEMOLIBISED Officer**, 25, single, desires post until end of August, before commencement of courses; excellent references; good appearance and address; 3 years' Dispensing experience, Photography; French; energetic Counterman. Please state salary to "K.R.R.," No. 1 Coinage Hall Street, Helston, Cornwall.

**DISCHARGED Soldier**, age 24 years, unqualified, requires situation as Assistant in Chemist's or Drug Stores; 4 years R.A.M.C. Corporal-Dispenser. T. Wellspring, 90 Nightingale Lane, S.W.

**DISENGAGED June 2**, for Locum only; Manager; 25 years' all-round experience; ex-Staff-Sergt. Bedding, 10 Pensonby Terrace, Westminster, London, S.W.

**DISPENSER, Bookkeeper, etc.**; 27 years' experience; age 44; disengaged; permanency required; would do locum; married. Strutt, 2 London Road, Heilsham.

**DISPENSER (Hall)**, experienced, requires post; Cambridge district preferred. Miss Moxon, Oak Cottage, Great Shelford, Cambs.

**DISPENSER**; unqualified; eighteen years' experience; *qualified in America*; Prescribing specialist; Bookkeeping, Typewriting; whole or part time; Indian. "Tuga," 61 Cirencester Street, Paddington, W. 2.

**DISPENSER**; 25; unqualified; quick and accurate; high-class experience; state salary offered and hours. Apply 180/18, Office of this Paper.

**ENGLISH Pharmacist**, speaking French, disengaged; knowledge of Optics; m-rings only; London district. Apply 180/37, Office of this Paper.

**EXPERIENCED woman Dispenser-Bookkeeper** requires work. Clarke, Park Holme, Queen's Road, Teddington.

**EXPERIENCED lady Dispenser, Bookkeeper (Hall certificate)**, desires post with Doctor, Hospital, or Institution; fluent French. Address "A. B." (174/37), Office of this Paper.

**HARROGATE or District.**—Advertiser, 31, unqualified, seeks post; Wholesale or Retail; nine years' experience Wholesale abroad; fluent French; highest references. State salary to "Harrogate" (177/25), Office of this Paper.

**HAVING** had fifteen years' experience of progressive Pharmacy, Photography, and Publicity, and possessing thorough knowledge of Surgical Appliance Fittings (married, age 31). I require a progressive permanency where initiation and expert salesmanship are required. Full particulars to 179/28, Office of this Paper.

**JUNIOR**, at liberty, 19; excellent references; sober; good Salesman and Dispenser. Apply Birkett, Chemist, Accrington.

**LADY**, eight years' experience in good-class business (last four years Edinburgh), wishes situation; English watering-place or large town; free early in June; excellent references. Apply 177/35, Office of this Paper.

**LADY Assistant**; Liverpool or district; 5 years Wholesale and 2 years Retail; thoroughly understands Counter trade, Photography; fair knowledge of Dispensing; good references. Apply 178/34, Office of this Paper.

**LADY Dispenser (Hall)**, excellent experience and references, requires post, Hospital or Doctor, in or near Hull. Ingram, 1 East Parade, Heworth, York.



**L**ADY Dispenser (Hall) requires post, Westcliff or S.E. Coast; moderate hours; 15 months' experience; reliable; good references. Apply 179/16, Office of this Paper.

**L**ADY Dispenser (Hall) requires post with Chemist or Doctor; experienced; Cheshire district or Liverpool preferred. Apply c/o P.O., Gainsborough Road, Crewe.

**L**ADY Dispenser; Minor Student; four years' experience; whole or part time. Student, 81 Denmark Hill, S.E. 5.

**L**ADY Dispenser would like post with Doctor or Chemist; would do Locum work; unqualified, but experienced. 342 Brixton Road, Brixton, S.W. 9.

**L**ADY (Minor), Scotch, high-class Counter and Dispensing experience, desires post London; state salary and hours. Apply 180/24, Office of this Paper.

**L**ADY Pharmacist offers locum or permanency; leaving place; Sussex or Surrey preferred; Doctor or Institution; 10 years' experience. Apply 170/48, Office of this Paper.

**L**OCUM; qualified; for July 26th; excellent experience; London preferred, not essential. "D," M.P.S., 164 Clapham Road S.W. 9.

**L**OCUM, Lady Dispenser (Hall); 13th June for about a fortnight other dates; Doctor or Hospital; London preferred; experienced. Rumney, Yalding, Kent.

**L**OCUM; experienced (unqualified); abstainer; disengaged June onwards. Olliver, 2 Christian Road, Preston.

**L**OCUM; qualified, experienced, tall, highest references, desires Bookings until August; afterwards a permanent Manager ship. C, 24 Laburnum Grove, North End, Portsmouth.

**L**OCUM or Manager; qualified; demobilised; highest credentials; disengaged. "Tetanus," Hazelwood, Windermere Road Coulsden, Surrey.

**L**OCUM; London or Provincial; highest references; well recommended. "Chemists," c/o James White, 10-12 Upper Richmond Road, London, S.W. 15.

**L**OCUM disengaged for first two weeks in June; good experience and references. A. Williams, c/o Shilly Richards, Pharmacist, Weymouth.

**L**OCUM WORK.—Pharmacist now booking dates, leading firm in large Midland town already accepted for fourth successive season; *Verb. Sap.*; present engagement well-known London City firm. Write "Midlands" (178/17), Office of this Paper.

**L**OCUM.—An elderly, experienced, energetic man is open to book engagements for holiday or General Management "Z. A." (178/5), Office of this Paper.

**L**OCUM; June 8-15 and June 29 onwards; unqualified; good references. "Locum" (178/4), Office of this Paper.

**L**OCUM-DISPENSER; Hall; experienced; good testimonials; disengaged about June 16; seaside or country preferred Miss Saul, 129 High Street, Brentwood, Essex.

**M**ANAGER; permanent; qualified; town or country; married; outdoors; all-round experience; excellent references; now disengaged; or Locum, at once. "Beta," 17 Gladstone Park Gardens, Cricklewood, N.W. 2.

**M**ANAGER or Assistant, 31, unqualified, married, desires permanency; 11 years' experience; smart Salesman and Window-dresser; abstainer; excellent references. Please reply with usual particulars to 175/12, Office of this Paper.

**M**ANAGER or Managing Assistant; good Salesman, Prescriber. Extremor; N.H.I. Dispensing; 4½ years in present situation; 46 years of age; unqualified. "Rhei" (181/4), Office of this Paper.

**M**ANAGING Assistant or Manager, unqualified, for Light Retail Stores in pleasant outskirts of London; state age, salary, references; commence June 12. "Chemists" (170/17), Office of this Paper.

**M**ANCHESTER District.—Assistant (28) desires permanency; Dispensing, Counter, and Window; experienced; excellent references. Please state salary, hours, etc., to 180/17, Office of this Paper.

**M**ORECAMBE or District.—Experienced Junior (18) desires post; permanency preferred; not afraid of work; kindly state salary. Apply 177/32, Office of this Paper.

**P**ART-TIME; 3 whole days (any) or by arrangement; 31; speak French, West End or City preferred, but not S.Q.N. "Temporibus," 27 Lansdowne Gardens, Stockwell, S.W. 8.

**P**ART-TIME; three mornings and three afternoons. "Associate," 32 Trigon Road, S.W. 8.

**P**ART-TIME post with Doctor or Chemist required by Lady Dispenser; Hall; mornings and afternoons. B., 12 Melbourne Road, Merton Park, S.W. 19.

**P**HARMACIST, demobilised, tall, not afraid of work, 14 years' all-round experience, desires position in London; please send full particulars of position offered, hours, salary. "Cyanide," 49 South Park Road, Wimbledon, S.W. 19.

**P**HARMACIST, 25, desires part-time employment with Chemist, Doctor, or Institute, London; hours preferred 9 a.m. to 1 p.m. daily. Apply 172/20, Office of this Paper.

**P**HARMACIST, 31, as Locum or Branch Manager; London. "Aspirin," 35 Hamlet Gardens, Hammersmith.

**P**HARMACIST desires change; South Coast; Manager, Assistant; commence August, September; single; abstainer. Apply 180/8, Office of this Paper.

**P**HARMACIST (32); disengaged end of June; good references and experience. Apply 180/39, Office of this Paper.

**Q**UALIFIED; 29, married; disengaged June 23rd; branch with house preferred. Apply 176/37, Office of this Paper.

**Q**UALIFIED Manager; tall, smart, 28, capable; high-class experience; excellent references; demobilised. "Luca," Aston Villa, East Mount, Malton, Yorks.

**Q**UALIFIED, 26, single, desires berth as Manager in the Midlands; well experienced. Collis, c/o Wokes, Grassendale, Liverpool.

**Q**UALIFIED; 38; Manager, Locum; disengaged; "B.E.F." man. "Pelman," 24 Camden Hill, Norwood, S.E. 19.

**Q**UALIFIED (1915), 25, 5 ft. 9 in., high-class Dispensing experience, desires comfortable berth in London. Haynes, Heather Road, Small Heath, Birmingham.

**Q**UALIFIED, active, elderly, strictly temperate. Store and Retail experience, desires a change; Manchester district preferred; state salary offered. Apply 173/40, Office of this Paper.

**S**TUDENT, discharged Royal Navy, seeks part-time post; South or South-East London preferred; used to Dispensing; moderate wages. Apply 175/16, Office of this Paper.

**S**TUDENT-ASSOCIATE, 22, demobilised, requires post to finish apprenticeship; former employer retired; 19 months' Dispensing and Counter; live in preferred. Davies, 114 Delse Road, Rochester.

**S**TUDENT-ASSOCIATE; 26; eight years' experience; accurate Dispensing (college trained); Light Retail; Midlands preferred. Smith, 16 Birley Street, Stapleford, Notts.

**T**EMPORARY Manager or Locum, qualified, now disengaged; over 20 years' sound experience. "A. J." (177/1), Office of this Paper.

**T**ILDESLEY, 38, qualified, offers services as Locum; August 25th to September 6th inclusive; prefers South Coast; 12 guineas and fares; expert all branches; company and private experience. 108 Chapel Field Road, Norwich.

**T**O CHEMISTS.—If you require help for part of day, say 10 to 4 or 5, apply to "A. J.," 286 Broadway, Bexley Heath; elderly, active, energetic; town.

**U**NQUALIFIED Assistant or Branch Manager; country town preferred; well experienced; good references; age 51; active, married, abstainer. Apply 177/260, Office of this Paper.

**U**NQUALIFIED Assistant desires position of Manager, Drug Stores, in country town or village; good experience; satisfactory references; age 50, married, abstainer. Apply 177/26, Office of this Paper.

**U**NQUALIFIED; demobilised; 37; experienced; neat, accurate Dispenser, Photography; state salary. Apply 177/16, Office of this Paper.

**U**NQUALIFIED (21) requires post as Junior Improver; please state salary. "Delta," 5 Manchuria Road, Clapham Common, London, S.W. 11.

**U**NREGISTERED, experienced Locum; short engagements; abstainer; references. "Energetic," 15 Waltham Road, Southall, W.



**UNQUALIFIED** (knowledge of Mechanical Dentistry); 2 years' experience and 3½ years in R.A.M.C., over two Nursing Orders in France. Pask, Aylsham, Norfolk.

**UNQUALIFIED**; demobilised; 38; married; neat, accurate Dispenser; Liverpool or Cheshire side; permanency or Locum work. Apply 179/37, Office of this Paper.

**UNQUALIFIED** lady Dispenser requires post in or out of London; experienced; excellent references. Apply "E. L.," 333 Brixton Road, S.W. 9.

**YOUNG** lady, 23, qualified, Apothecaries' Hall certificate, desires post as Assistant Dispenser, preferably with Doctor or Institution; Locum or permanent; good experience; knowledge of Shorthand and Typewriting, also St. John's first-aid certificate. Apply to Tate, 39 Stourbridge Road, Halesowen, near Birmingham.

### WHOLESALE.

1s. for 12 words or less; 6d. for every 10 words or less beyond prepaid.

**ADVERTISER**, 41, seeks engagement with Wholesale Manufacturing Chemist; Traveller or Office; 26 years' office experience with first-class house. Apply 175/37, Office of this Paper.

**ADVERTISER**, resident Manchester, is open to Represent a first-class Firm in Lancashire and Staffordshire; commission on sales. Apply 179/6, Office of this Paper.

**ADVERTISER** seeks position; Departmental or Assistant Manager; good organiser; first-class varied experience; Wholesale Manufacturing, checking, general supervising. "Antipyrin" (181/14), Office of this Paper.

**AGE** 32, energetic, capable, 15 years Drug trade, desires to represent good firm; Drugs, Druggists' Sundries. Replies "V.," (178/27), Office of this Paper.

**CHEMIST'S Assistant**, 39, desires change from Retail to Wholesale (over 20 years' Retail experience); Drugs, Sundries, or Toilet, or as Representative; London or provinces; references. Full particulars, salary, etc., to "Sinapis" (179/39), Office of this Paper.

**DEMOBILISED Officer** (30), qualified Pharmacist, desires a position in the Wholesale; any capacity (indoors or outdoors); energetic and ambitious; 10 years' Retail experience. Apply 175/380, Office of this Paper.

**DEPARTMENTAL** or Works Manager; age 42; 24 years' experience Drugs, Dyeing, Packed Goods, Oils, etc. "Progress" (180/13), Office of this Paper.

**ENERGETIC Traveller**, calling upon Chemists, Grocers, Herbalists, etc., in Sheffield and Leeds districts, would like one or two good side lines. Apply 179/40, Office of this Paper.

**FIRST-CLASS Wholesale and Retail experience**, 31, qualified, desires to represent a thoroughly good House on the South Coast or London; can undertake internal organisation, and is open to accept a responsible position as Sales Manager. Apply 178/7, Office of this Paper.

**LABORATORY Assistant**, with Checking, Wet and Dry Counter experience, desires position any department; within 40 miles of London. Apply 179/22, Office of this Paper.

**MAN**, age 38, with 20 years' experience of the Manufacture and Packing of Proprietary Preparations, Hairdressers' Sundries, Dispensing, Lab., Wet and Dry Counters, requires position of control. W., 81 Furness Road, Mile End, E.

**PHARMACEUTICAL Chemist**, having sold his business, wishes to represent good House; highest credentials. T. McNeal Robinson, 16 Cecil Street, Lytham, Lancs.

**REPRESENTATIVE** at your command can sell anything amongst Chemists and Hairdressers; salary or commission; around London and suburbs. Apply 174/23, Office of this Paper.

### FOR SALE

**Large Quantity Absorbent Cotton Wool**

1-lb. Rolls.

Non-interleaved, 1/1 per lb. net, delivered. Apply—**FRED SIMPSON, 44 Produce Exchange, MANCHESTER**

**TRAVELLER**, first-class connection Chemists, Hairdressers, Midlands and Eastern Counties, open to represent good house. Apply 176/31, Office of this Paper.

**TOILET Soaps and Preparations**.—Position required as Manager or Representative; thorough knowledge of trade. Replies "F. K." (175/36), Office of this Paper.

**UNQUALIFIED**, demobilised, requires position in Wholesale; 10 years' Retail experience; energetic and trustworthy. Amos, jun., Midland Road, Thrapston.

**WANTED**, a berth with good prospects, by man of energy, 11 years' first-class experience Retail, desiring change to Wholesale as Representative; just returned after 4½ years' war; thoroughly healthy, active; of good appearance and address; 30 years; married; Welsh; excellent references. Evans, 4 Cromwell Road, Teddington.

**YOUNG gentleman** requires position as Traveller in Wholesale Drug House or Sundries, having had previous experience. Apply 179/33, Office of this Paper.

**YOUNG man** (23), with good Retail experience, wishing to change into Wholesale, seeks permanency with a firm (Drugs or Sundries) in the North of England. Please state salary, etc., 180/35, Office of this Paper.

### SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

**CHEMIST**, 38, single, qualified (Scotch), desires situation in the East; good character and references. Replies to "A. B." (176/35), Office of this Paper.

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7s. for 60 words; every additional 10 words 6d.

**MACADAM & TUCKNISS**, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—128 Allenbury "A" 6% Prefs. 20s. 3d., 145 "B" 6% Prefs. 20s., 10 "C" 6% Prefs. 19s. 10½d., £600 4½% Debenture £79 10s. per £100 stock; 100 Benger's Food Ord., 41s. 7½d.; 20 W. J. Bush Prefs., 73s. 5d.; 100 J. Knight Ord., 31s. 4½d.; 1,000 Siegels. 8s.; 239 Lamson Paragon 5½% Prefs. 17s. 1½d.; 600 Tower Tea Prefs., 17s. 3d., yielding £10 12s. 9d. per cent.; 90 W. B. Fordhams, 14s.; 355 St. Ivel Prefs. 17s. 1½d., 115 Ord. 6s. 3d.

Wanted (subject).—Camwal Ord., Pref., and Debs.; 3,000 Idris "A" Ord. 4s., 500 "A" Prefs. 7s., £1,000 Debenture £63 per £100 stock; Wright Layman Prefs.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

**COMPLETE Plant** for Manufacture of hand-made Capsules. Full particulars from 168/69, Office of this Paper.

**FOR Sale**, 18 cwt. Soda Hyposulphate (Commercial), in 2-cwt. sacks; what offers? Edwards & Co., Ltd., 20/26 Lamb's Conduit Street, W.C. 1.

**GLOSSY Bromide Paper**, special offer, about 100 gross packets of each size: 2½ × 1½, 1s. 3d.; 2½ × 2½, 1s. 9d.; 3½ × 2½, 2s.; 4½ × 2½, 2s. 6d.; 4½ × 3½, 3s.; 5½ × 3½, 3s. 6d.; and 50,000 Soft Gaslight Postcards, 30s. 1,000; all post free; cash with order. Banham, Chemist, Hitchin.

**PETROLEUM Jelly**, about 4 tons, for Sale, packed in 3½-cwt. barrels. Timothy White Co., Ltd., Portsmouth.

**SECOND-HAND CHEMISTS' FITTINGS**.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London E.C.

**SHOWCASES AND SHOP FITTINGS**.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.



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## FOR DISPOSAL.

### BOOKS AND PERIODICALS

BOOK BARGAINS.—Gray's (Redwood's) "Supplement to the Pharmacopœia." 1857 (best edition), 10s.; Proctor's "Lectures on Practical Pharmacy, 2s. 6d.; Humphrey's "Materia Medica," 2s. 6d.; Fluckiger & Hanbury's "Pharmacographia," 7s. 6d.; Hanbury's "Science Papers," 5s.; Greenish & Collins' "Vegetable Powders," 5s.; Seville's "Art of Compounding," 3s.; Markham's "Peruvian Bark," 2s. 6d.; Winter-Blyth's "Poisons: Effects and Detection," 2s. 6d.; Winter-Blyth's "Foods: Composition and Analysis," 2s. 6d.; Martindale's "Extra Pharmacopœia," 10th ed., 1s.; Stille & Maisch. "National Dispensatory" (1894), 1,903 pages, bound in two vols., 5s.; Remington's "Pharmacy" (1889), 3s. 6d.; Coblentz's "Pharmacy" (1894), 3s. 6d.; Caspari's "Pharmacy" (1895), 3s. 6d.; Christison's "Dispensatory" (1848), 5s.; French Codex (1895), 5s.; German Pharmacopœia (1895), 3s. 6d.; U.S. Pharmacopœia (1890), 3s. 6d.; British Pharmacopœia, 1864, 1867, 1885, 1898. 1s. each; carriage extra. Ross, 131 North Hill, Highgate, N. 6.

### DRUGS AND CHEMICALS.

SURPLUS Stock Sulphur Tablets, compressed (Garrod formula). 7 lb., 12s. 10d. carriage paid, cash with order. S. M. Hibberd, Wolverhampton.

5 lb. Camphor. Flores. B.P., @ 7s. lb.; 2 lb. Pot. Iodid. B.P. @ 11s. lb.; 2 lb. Bismuth. Carb. B.P., @ 11s. lb. Address 177/9, Office of this Paper.

OVERSTOCK, about 20 3-lb. packets of good quality Chamomiles, 6s. 6d. each, post free, two for 12s. 6d.; sample for stamp. Minchin, Chemist, Gloucester.

WHAT offers? 42 1s. 3d. and 9 7s. 6d. tins Bordeaux Mixture (Bergeide), 12 2s. tins Arsenate of Lead, 4 5s. 6d. tins Lime Sulphur Solution, 6 1s. 6d. tins Rose Mildew Cure. Blumenthal, Pharmacist, 164 Lightbourne Road, Moston, Manchester.

### OPTICAL AND PHOTOGRAPHIC.

MICROSCOPE, by Swift, mechanical stage, triple nose-piece, 3 objectives,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ ; two eyepieces, in lock-up cabinet; £12 or near offer. Harrison, "Gulval," Page Road, Clacton-on-Sea.

FOR Sale, Kodak Commercial Developing Outfit, three Tanks; new condition; list price £3 10s. 6d.; offers wanted, or will accept Kodak Films and  $3\frac{1}{2} \times 2\frac{1}{2}$  Plates to value. George, Rothley Leicester.

OPTICAL Test Case, full set, 120 sphe., 36 cyle., 12 prisms, trial frame, etc., £15; Glazebrook's Light, 3s., new; Morton's Refraction, 4s., new. Auger, 121 Manchester Road, Chorlton-cum-Hardy, Manchester.

### MISCELLANEOUS.

HUGHES' Baby Scales (new). Offers to McCarthy, Ewood, Blackburn.

MANICURE.—2 dozen superior quality needlepoint Cuticle Scissors; accept 90s. to clear; sample paid by post 4s. 6d. Tax, 31 Charing Cross, Whitehall, S.W. 1.

WHAT Offers? handsome large show specie Jar, as good as new; elegantly enamelled; coat-of-arms with gilt top; also two large Carboys. Walker, 13 Mount View, Barnet.

PILL Machine, 2 gr., 15s.; Brass Sieve,  $12\frac{1}{2}$  in. diam., fine mesh, 7s. 6d.;  $\frac{1}{2}$ -gal. Glass Emulsifier, 10s.; Messenger's Leather Wallet, with division,  $11 \times 5\frac{1}{2} \times 11$ , 10s.; Brass Gas Plaster Iron, 3s. 9d.; Maw Metal Sifter, 7s. 6d.; 2-gnl. Swan-neck Carboy, 15s.; Suppository Mould, 60 gr., 15s. Milne, 33 Rosemount Viaduct, Aberdeen.

## WANTED.

IODINE, Pot. Iodid., Hyd. Iod. Rubri. Apply 177/28, Office of this Paper.

MOTHER OF PEARL Puff Box. State price, Miller, 42 Mount Ephraim, Tunbridge Wells.

DENTAL.—Wanted to purchase, a Workshop Lathe. "A. V. S.," 110 Northdown Road, Margate.

SMALL Nest Drawers, Shop Rounds, Ointment Jars. State sizes, prices, to 179/14, Office of this Paper.

KODAK Printing Machine, Kodak (trade) Developing Tanks, or other make. McKinlay, Chemist, Glossop.

WATER Jacketed Still, 15 to 20 gallons, in good condition, wanted. Apply 161/55, Office of this Paper.

NEST Drug Drawers, 6 to 8 feet length; also bent-glass Counter Case wanted. Apply 180/14, Office of this Paper.

ABOUT 100 Labelled Shop Rounds, 4 ft. Wall Case, Display Stands, and Window-dressing accessories. Harlow, Chapelton, Sheffield.

WANTED, complete Fittings for shop, size about 14 feet by 18 feet. Full particulars to "London" (179/35), Office of this Paper.

SHOP Fittings wanted, entire or part; also Shop Rounds, Weighing Machine, Till, Pill Machines, etc. W. H. Harris, 2 Nelson Road, St. Thomas, Exeter.

WANTED, complete Fittings for Store Pharmacy, Dispensing Screen, two Counters, approximate 15 feet and 9 feet, nest of drawers about 12 length, two Counter Perfume Cases, Stained Wood Fixturing and Scales; entire or in part. Apply 173/6, Office of this Paper.

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ADVERTISER requires supplies of "Sozodont" (liquid form) for private use; will Wholesale or Retail Chemists having a stock be good enough to communicate with Advertiser. Apply 163/13, Office of this Paper.

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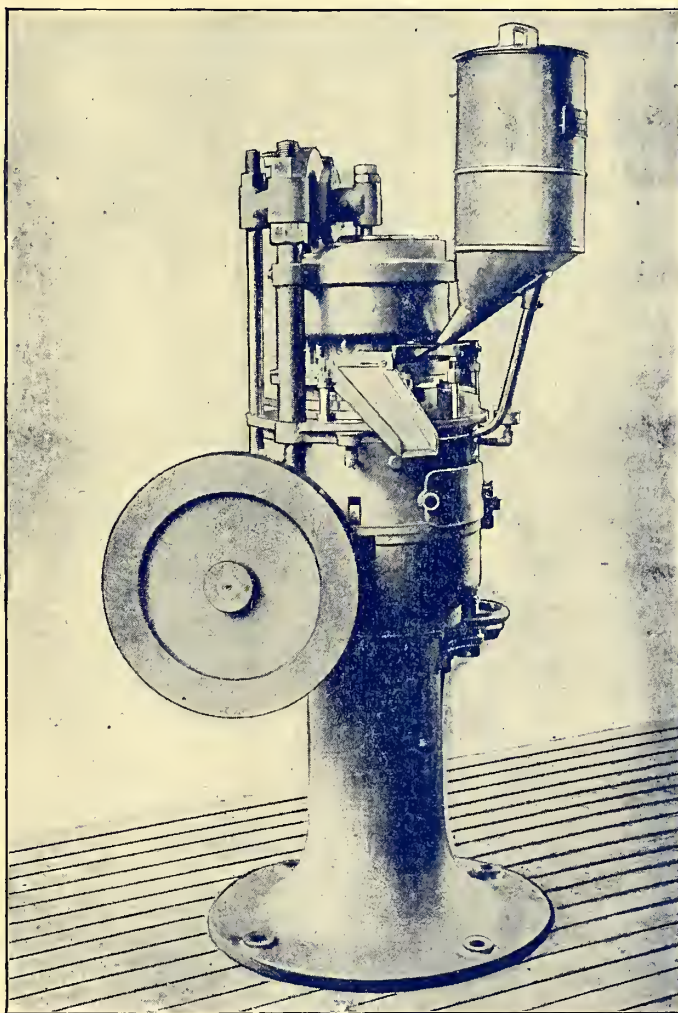
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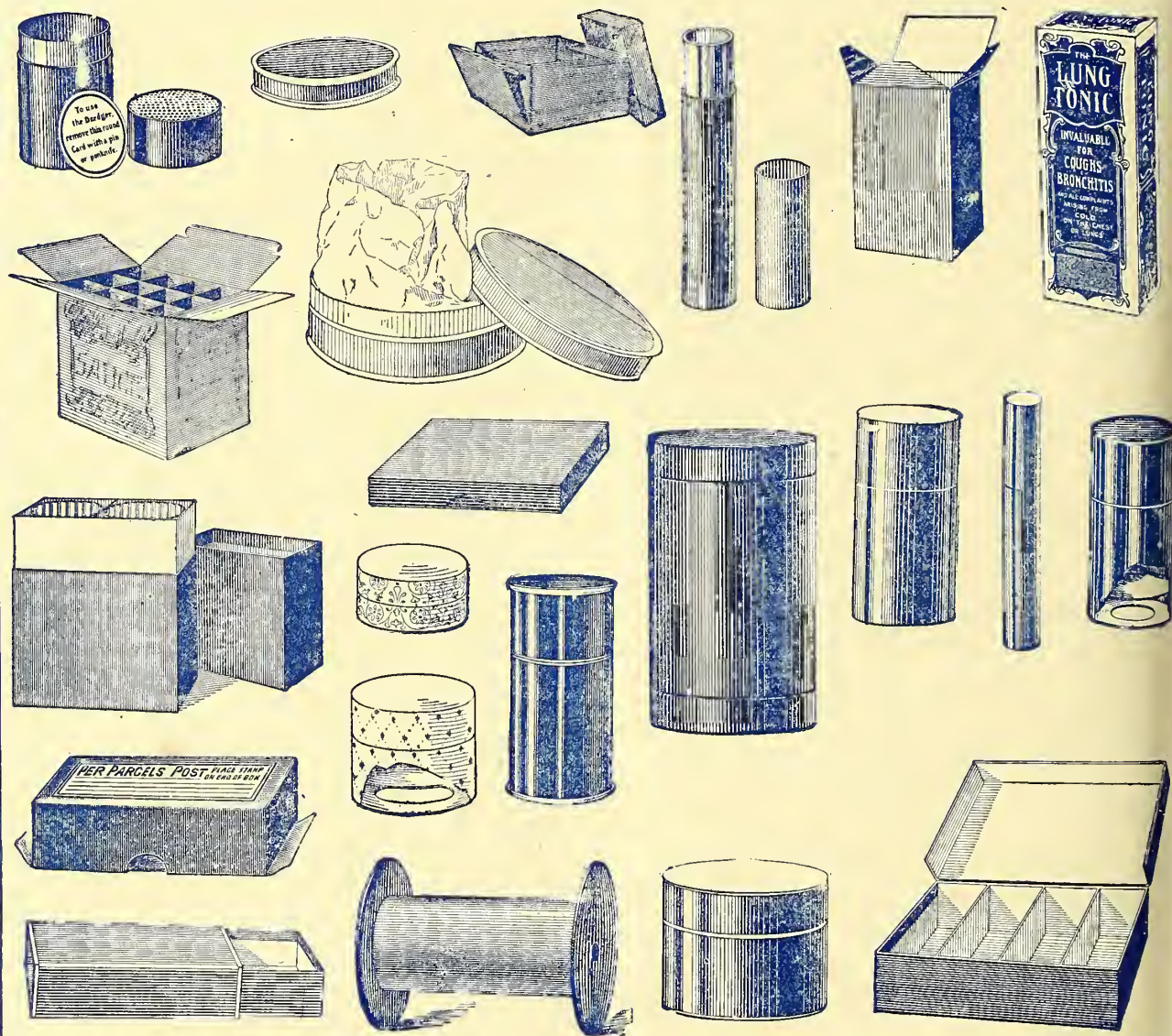
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